python flood\_simulation\_driver.py --run-twophase-test --phase1-steps 20000 --phase2-steps 30000 --rain-rate 6.09375 --output-freq 100 -o result\_source1\_5\_rain6\_09375.mp4 --save --source-row 50 --source-col 1 --source-rate 1.5

--- Starting Two-Phase River + Rainfall Test (Combined Output, Custom Viz) ---

--- Running Phase 1 for Two-Phase Test: Establishing River Flow ---

Generating DEM for Phase 1...

Generating natural river DEM...

Adding terrain noise...

Applying final smoothing...

Natural river DEM created.

Final DEM Elevation range: 20.00 to 25.10

Initializing Phase 1 sim with outlet\_percentile=5.0.

Generated boundary mask: 946 wall cells, 50 potential outlet cells identified.

Initial dt guess: 0.0707 s

--- Running Phase 1 Simulation for 20000 steps ---

Step 0/19999, Sim Time: 0.106s (+1.060e-01s), Max Depth: 0.2119873110m, Max Vel: 0.0000000000m/s, Area: 25.0m², Vol: 5.3m³

Step 100/19999, Sim Time: 64.077s (+8.004e-01s), Max Depth: 0.2597141130m, Max Vel: 0.5811788908m/s, Area: 1000.0m², Vol: 98.4m³

Step 200/19999, Sim Time: 159.673s (+1.053e+00s), Max Depth: 0.1709328576m, Max Vel: 0.3652084574m/s, Area: 2125.0m², Vol: 184.4m³

Step 300/19999, Sim Time: 265.860s (+1.074e+00s), Max Depth: 0.1746705831m, Max Vel: 0.3257429471m/s, Area: 3400.0m², Vol: 282.5m³

Step 400/19999, Sim Time: 371.997s (+1.045e+00s), Max Depth: 0.1802231625m, Max Vel: 0.3405344994m/s, Area: 4350.0m², Vol: 385.8m³

Step 500/19999, Sim Time: 476.782s (+1.036e+00s), Max Depth: 0.1910812156m, Max Vel: 0.3217763543m/s, Area: 5475.0m², Vol: 503.2m³

Step 600/19999, Sim Time: 577.607s (+9.871e-01s), Max Depth: 0.2067413589m, Max Vel: 0.3492858854m/s, Area: 6300.0m², Vol: 632.8m³

Step 700/19999, Sim Time: 675.052s (+9.654e-01s), Max Depth: 0.2147943389m, Max Vel: 0.3612527269m/s, Area: 7325.0m², Vol: 758.3m³

Step 800/19999, Sim Time: 771.326s (+9.615e-01s), Max Depth: 0.2176690977m, Max Vel: 0.3587653168m/s, Area: 8300.0m², Vol: 884.5m³

Step 900/19999, Sim Time: 867.603s (+9.642e-01s), Max Depth: 0.2181425161m, Max Vel: 0.3520372652m/s, Area: 9200.0m², Vol: 1016.0m³

Step 1000/19999, Sim Time: 964.176s (+9.659e-01s), Max Depth: 0.2176355701m, Max Vel: 0.3505775108m/s, Area: 10325.0m², Vol: 1153.0m³

Step 1100/19999, Sim Time: 1060.760s (+9.534e-01s), Max Depth: 0.2170977179m, Max Vel: 0.3743132384m/s, Area: 11450.0m², Vol: 1293.3m³

Step 1200/19999, Sim Time: 1155.204s (+9.348e-01s), Max Depth: 0.2205068273m, Max Vel: 0.4013918960m/s, Area: 12600.0m², Vol: 1433.2m³

Step 1300/19999, Sim Time: 1247.890s (+9.224e-01s), Max Depth: 0.2237983278m, Max Vel: 0.4154804665m/s, Area: 13400.0m², Vol: 1569.5m³

Step 1400/19999, Sim Time: 1340.616s (+9.318e-01s), Max Depth: 0.2253471230m, Max Vel: 0.3911293275m/s, Area: 14225.0m², Vol: 1693.7m³

Step 1500/19999, Sim Time: 1433.827s (+9.183e-01s), Max Depth: 0.2347150831m, Max Vel: 0.3884551856m/s, Area: 15250.0m², Vol: 1801.0m³

Step 1600/19999, Sim Time: 1523.734s (+8.835e-01s), Max Depth: 0.2484727293m, Max Vel: 0.4196037220m/s, Area: 16175.0m², Vol: 1913.9m³

Step 1700/19999, Sim Time: 1611.492s (+8.739e-01s), Max Depth: 0.2579902478m, Max Vel: 0.4117215248m/s, Area: 17025.0m², Vol: 2030.2m³

Step 1800/19999, Sim Time: 1699.144s (+8.802e-01s), Max Depth: 0.2643400677m, Max Vel: 0.3777967802m/s, Area: 17875.0m², Vol: 2158.0m³

Step 1900/19999, Sim Time: 1787.242s (+8.822e-01s), Max Depth: 0.2690956176m, Max Vel: 0.3589942641m/s, Area: 19100.0m², Vol: 2296.5m³

Step 2000/19999, Sim Time: 1874.338s (+8.635e-01s), Max Depth: 0.2722201745m, Max Vel: 0.3918456945m/s, Area: 20225.0m², Vol: 2450.6m³

Step 2100/19999, Sim Time: 1960.628s (+8.519e-01s), Max Depth: 0.2739780451m, Max Vel: 0.4081844441m/s, Area: 21400.0m², Vol: 2611.6m³

Step 2200/19999, Sim Time: 2046.386s (+8.584e-01s), Max Depth: 0.2747129155m, Max Vel: 0.3967688765m/s, Area: 22400.0m², Vol: 2782.2m³

Step 2300/19999, Sim Time: 2130.901s (+8.386e-01s), Max Depth: 0.2746797423m, Max Vel: 0.4456647926m/s, Area: 23625.0m², Vol: 2953.2m³

Step 2400/19999, Sim Time: 2214.559s (+8.392e-01s), Max Depth: 0.2742090230m, Max Vel: 0.4445373182m/s, Area: 24725.0m², Vol: 3134.0m³

Step 2500/19999, Sim Time: 2299.498s (+8.568e-01s), Max Depth: 0.2734828131m, Max Vel: 0.4055632075m/s, Area: 25850.0m², Vol: 3334.5m³

Step 2600/19999, Sim Time: 2384.716s (+8.467e-01s), Max Depth: 0.2803962605m, Max Vel: 0.4087375125m/s, Area: 26950.0m², Vol: 3549.7m³

Step 2700/19999, Sim Time: 2467.599s (+8.096e-01s), Max Depth: 0.3025797149m, Max Vel: 0.4338134501m/s, Area: 28250.0m², Vol: 3770.7m³

Step 2800/19999, Sim Time: 2547.529s (+7.892e-01s), Max Depth: 0.3196907096m, Max Vel: 0.4469806603m/s, Area: 29650.0m², Vol: 3999.5m³

Step 2900/19999, Sim Time: 2625.768s (+7.788e-01s), Max Depth: 0.3303555327m, Max Vel: 0.4471332848m/s, Area: 30900.0m², Vol: 4236.5m³

Step 3000/19999, Sim Time: 2703.264s (+7.721e-01s), Max Depth: 0.3374031308m, Max Vel: 0.4474247706m/s, Area: 32125.0m², Vol: 4481.0m³

Step 3100/19999, Sim Time: 2780.317s (+7.693e-01s), Max Depth: 0.3426772065m, Max Vel: 0.4412521887m/s, Area: 33325.0m², Vol: 4735.2m³

Step 3200/19999, Sim Time: 2857.211s (+7.687e-01s), Max Depth: 0.3476379938m, Max Vel: 0.4299422227m/s, Area: 34725.0m², Vol: 5001.1m³

Step 3300/19999, Sim Time: 2932.884s (+7.467e-01s), Max Depth: 0.3521020336m, Max Vel: 0.4775318323m/s, Area: 36075.0m², Vol: 5272.9m³

Step 3400/19999, Sim Time: 3007.487s (+7.434e-01s), Max Depth: 0.3561837772m, Max Vel: 0.4850125648m/s, Area: 37350.0m², Vol: 5545.0m³

Step 3500/19999, Sim Time: 3081.558s (+7.399e-01s), Max Depth: 0.3600001855m, Max Vel: 0.4861972900m/s, Area: 38650.0m², Vol: 5827.8m³

Step 3600/19999, Sim Time: 3155.377s (+7.378e-01s), Max Depth: 0.3635513893m, Max Vel: 0.4833212994m/s, Area: 40225.0m², Vol: 6125.6m³

Step 3700/19999, Sim Time: 3229.234s (+7.387e-01s), Max Depth: 0.3665146094m, Max Vel: 0.4731704642m/s, Area: 41750.0m², Vol: 6431.2m³

Step 3800/19999, Sim Time: 3302.852s (+7.364e-01s), Max Depth: 0.3693271297m, Max Vel: 0.4728303405m/s, Area: 43200.0m², Vol: 6751.0m³

Step 3900/19999, Sim Time: 3375.903s (+7.302e-01s), Max Depth: 0.3718540870m, Max Vel: 0.4859574129m/s, Area: 44750.0m², Vol: 7083.8m³

Step 4000/19999, Sim Time: 3448.560s (+7.249e-01s), Max Depth: 0.3741861528m, Max Vel: 0.4981654944m/s, Area: 45900.0m², Vol: 7436.1m³

Step 4100/19999, Sim Time: 3520.903s (+7.236e-01s), Max Depth: 0.3763862877m, Max Vel: 0.4966960726m/s, Area: 47400.0m², Vol: 7794.2m³

Step 4200/19999, Sim Time: 3593.477s (+7.277e-01s), Max Depth: 0.3782970041m, Max Vel: 0.4783880939m/s, Area: 49000.0m², Vol: 8150.7m³

Step 4300/19999, Sim Time: 3665.900s (+7.187e-01s), Max Depth: 0.3798678096m, Max Vel: 0.5066486707m/s, Area: 50750.0m², Vol: 8515.8m³

Step 4400/19999, Sim Time: 3737.276s (+7.073e-01s), Max Depth: 0.3813345759m, Max Vel: 0.5404832194m/s, Area: 52300.0m², Vol: 8902.0m³

Step 4500/19999, Sim Time: 3807.842s (+7.058e-01s), Max Depth: 0.3824214128m, Max Vel: 0.5426442349m/s, Area: 53975.0m², Vol: 9292.8m³

Step 4600/19999, Sim Time: 3878.532s (+7.076e-01s), Max Depth: 0.3893015703m, Max Vel: 0.5188344673m/s, Area: 55750.0m², Vol: 9697.3m³

Step 4700/19999, Sim Time: 3949.146s (+7.045e-01s), Max Depth: 0.3978554687m, Max Vel: 0.5085271656m/s, Area: 57350.0m², Vol: 10116.9m³

Step 4800/19999, Sim Time: 4019.540s (+7.038e-01s), Max Depth: 0.4044508854m, Max Vel: 0.4947424301m/s, Area: 58950.0m², Vol: 10554.4m³

Step 4900/19999, Sim Time: 4089.546s (+6.990e-01s), Max Depth: 0.4106421722m, Max Vel: 0.4970008611m/s, Area: 60700.0m², Vol: 11000.0m³

Step 5000/19999, Sim Time: 4159.270s (+6.951e-01s), Max Depth: 0.4160452922m, Max Vel: 0.4974216634m/s, Area: 62550.0m², Vol: 11467.5m³

Step 5100/19999, Sim Time: 4228.601s (+6.919e-01s), Max Depth: 0.4206952011m, Max Vel: 0.4977205523m/s, Area: 64350.0m², Vol: 11949.5m³

Step 5200/19999, Sim Time: 4297.135s (+6.876e-01s), Max Depth: 0.4267157234m, Max Vel: 0.4998158026m/s, Area: 66000.0m², Vol: 12444.2m³

Step 5300/19999, Sim Time: 4365.713s (+6.794e-01s), Max Depth: 0.4324782006m, Max Vel: 0.5190165950m/s, Area: 67725.0m², Vol: 12955.2m³

Step 5400/19999, Sim Time: 4432.758s (+6.656e-01s), Max Depth: 0.4381236842m, Max Vel: 0.5560909131m/s, Area: 69800.0m², Vol: 13478.6m³

Step 5500/19999, Sim Time: 4498.733s (+6.523e-01s), Max Depth: 0.4433199597m, Max Vel: 0.6022011021m/s, Area: 71675.0m², Vol: 14017.7m³

Step 5600/19999, Sim Time: 4564.212s (+6.532e-01s), Max Depth: 0.4481104117m, Max Vel: 0.5825409977m/s, Area: 73375.0m², Vol: 14575.5m³

Step 5700/19999, Sim Time: 4629.313s (+6.493e-01s), Max Depth: 0.4524609463m, Max Vel: 0.5884059917m/s, Area: 75175.0m², Vol: 15147.7m³

Step 5800/19999, Sim Time: 4694.179s (+6.486e-01s), Max Depth: 0.4563034724m, Max Vel: 0.5822972571m/s, Area: 77000.0m², Vol: 15736.3m³

Step 5900/19999, Sim Time: 4759.062s (+6.490e-01s), Max Depth: 0.4595093476m, Max Vel: 0.5731548352m/s, Area: 78900.0m², Vol: 16331.5m³

Step 6000/19999, Sim Time: 4823.919s (+6.496e-01s), Max Depth: 0.4619809653m, Max Vel: 0.5650150445m/s, Area: 80650.0m², Vol: 16942.3m³

Step 6100/19999, Sim Time: 4888.720s (+6.429e-01s), Max Depth: 0.4648876959m, Max Vel: 0.5856460079m/s, Area: 82700.0m², Vol: 17559.0m³

Step 6200/19999, Sim Time: 4952.958s (+6.396e-01s), Max Depth: 0.4683343738m, Max Vel: 0.5929344853m/s, Area: 84950.0m², Vol: 18185.0m³

Step 6300/19999, Sim Time: 5016.729s (+6.365e-01s), Max Depth: 0.4713652242m, Max Vel: 0.5989401184m/s, Area: 86775.0m², Vol: 18813.1m³

Step 6400/19999, Sim Time: 5080.315s (+6.354e-01s), Max Depth: 0.4751863376m, Max Vel: 0.5950777108m/s, Area: 88900.0m², Vol: 19457.7m³

Step 6500/19999, Sim Time: 5143.717s (+6.329e-01s), Max Depth: 0.4865308793m, Max Vel: 0.5804781739m/s, Area: 91050.0m², Vol: 20111.0m³

Step 6600/19999, Sim Time: 5206.778s (+6.326e-01s), Max Depth: 0.4962743434m, Max Vel: 0.5597698310m/s, Area: 93225.0m², Vol: 20784.0m³

Step 6700/19999, Sim Time: 5269.686s (+6.267e-01s), Max Depth: 0.5047020836m, Max Vel: 0.5673149015m/s, Area: 95275.0m², Vol: 21479.1m³

Step 6800/19999, Sim Time: 5331.599s (+6.117e-01s), Max Depth: 0.5116486714m, Max Vel: 0.6233042419m/s, Area: 97550.0m², Vol: 22169.1m³

Step 6900/19999, Sim Time: 5392.148s (+6.001e-01s), Max Depth: 0.5181144139m, Max Vel: 0.6620492694m/s, Area: 99800.0m², Vol: 22858.0m³

Step 7000/19999, Sim Time: 5452.051s (+5.986e-01s), Max Depth: 0.5241570280m, Max Vel: 0.6561762728m/s, Area: 102000.0m², Vol: 23551.2m³

Step 7100/19999, Sim Time: 5511.861s (+5.981e-01s), Max Depth: 0.5297107344m, Max Vel: 0.6464530952m/s, Area: 103975.0m², Vol: 24262.0m³

Step 7200/19999, Sim Time: 5571.504s (+5.954e-01s), Max Depth: 0.5348100614m, Max Vel: 0.6481609293m/s, Area: 106200.0m², Vol: 24979.0m³

Step 7300/19999, Sim Time: 5630.938s (+5.934e-01s), Max Depth: 0.5393639514m, Max Vel: 0.6489496753m/s, Area: 108300.0m², Vol: 25715.6m³

Step 7400/19999, Sim Time: 5690.219s (+5.943e-01s), Max Depth: 0.5434049017m, Max Vel: 0.6354882081m/s, Area: 110375.0m², Vol: 26465.4m³

Step 7500/19999, Sim Time: 5749.745s (+5.954e-01s), Max Depth: 0.5469867616m, Max Vel: 0.6226245404m/s, Area: 112500.0m², Vol: 27246.9m³

Step 7600/19999, Sim Time: 5808.996s (+5.843e-01s), Max Depth: 0.5502212615m, Max Vel: 0.6778589039m/s, Area: 114750.0m², Vol: 28046.6m³

Step 7700/19999, Sim Time: 5867.230s (+5.825e-01s), Max Depth: 0.5529904963m, Max Vel: 0.6753573500m/s, Area: 116750.0m², Vol: 28857.5m³

Step 7800/19999, Sim Time: 5925.357s (+5.823e-01s), Max Depth: 0.5553596599m, Max Vel: 0.6707206066m/s, Area: 119125.0m², Vol: 29666.4m³

Step 7900/19999, Sim Time: 5983.772s (+5.853e-01s), Max Depth: 0.5574920350m, Max Vel: 0.6513363627m/s, Area: 120975.0m², Vol: 30438.3m³

Step 8000/19999, Sim Time: 6042.334s (+5.857e-01s), Max Depth: 0.5594957976m, Max Vel: 0.6452232986m/s, Area: 122075.0m², Vol: 31064.7m³

Step 8100/19999, Sim Time: 6100.935s (+5.864e-01s), Max Depth: 0.5614594540m, Max Vel: 0.6374797347m/s, Area: 123125.0m², Vol: 31610.6m³

Step 8200/19999, Sim Time: 6159.573s (+5.865e-01s), Max Depth: 0.5634061275m, Max Vel: 0.6329828800m/s, Area: 123700.0m², Vol: 32113.2m³

Step 8300/19999, Sim Time: 6218.243s (+5.874e-01s), Max Depth: 0.5653177623m, Max Vel: 0.6243576772m/s, Area: 124275.0m², Vol: 32573.4m³

Step 8400/19999, Sim Time: 6277.057s (+5.888e-01s), Max Depth: 0.5670875164m, Max Vel: 0.6134688465m/s, Area: 124950.0m², Vol: 32999.9m³

Step 8500/19999, Sim Time: 6335.984s (+5.898e-01s), Max Depth: 0.5687954134m, Max Vel: 0.6050292658m/s, Area: 125350.0m², Vol: 33424.8m³

Step 8600/19999, Sim Time: 6395.065s (+5.924e-01s), Max Depth: 0.5703726312m, Max Vel: 0.5881687326m/s, Area: 125825.0m², Vol: 33859.8m³

Step 8700/19999, Sim Time: 6454.320s (+5.910e-01s), Max Depth: 0.5813931895m, Max Vel: 0.5731015812m/s, Area: 126175.0m², Vol: 34258.3m³

Step 8800/19999, Sim Time: 6513.215s (+5.871e-01s), Max Depth: 0.5925583594m, Max Vel: 0.5697403946m/s, Area: 126450.0m², Vol: 34638.4m³

Step 8900/19999, Sim Time: 6571.754s (+5.833e-01s), Max Depth: 0.6033154601m, Max Vel: 0.5674959745m/s, Area: 126750.0m², Vol: 34981.7m³

Step 9000/19999, Sim Time: 6629.847s (+5.785e-01s), Max Depth: 0.6135231937m, Max Vel: 0.5719768359m/s, Area: 127000.0m², Vol: 35289.3m³

Step 9100/19999, Sim Time: 6687.509s (+5.752e-01s), Max Depth: 0.6218374399m, Max Vel: 0.5729111827m/s, Area: 127350.0m², Vol: 35593.2m³

Step 9200/19999, Sim Time: 6744.996s (+5.756e-01s), Max Depth: 0.6291041631m, Max Vel: 0.5559102549m/s, Area: 127650.0m², Vol: 35940.0m³

Step 9300/19999, Sim Time: 6802.673s (+5.760e-01s), Max Depth: 0.6376405189m, Max Vel: 0.5371936168m/s, Area: 127875.0m², Vol: 36285.8m³

Step 9400/19999, Sim Time: 6860.047s (+5.713e-01s), Max Depth: 0.6510311983m, Max Vel: 0.5361946251m/s, Area: 128350.0m², Vol: 36590.3m³

Step 9500/19999, Sim Time: 6916.737s (+5.624e-01s), Max Depth: 0.6765902375m, Max Vel: 0.5357134469m/s, Area: 128825.0m², Vol: 36894.7m³

Step 9600/19999, Sim Time: 6972.690s (+5.573e-01s), Max Depth: 0.6918089534m, Max Vel: 0.5350289180m/s, Area: 129050.0m², Vol: 37175.5m³

Step 9700/19999, Sim Time: 7028.274s (+5.543e-01s), Max Depth: 0.7014509382m, Max Vel: 0.5338974841m/s, Area: 129200.0m², Vol: 37419.8m³

Step 9800/19999, Sim Time: 7083.559s (+5.516e-01s), Max Depth: 0.7105199338m, Max Vel: 0.5326518925m/s, Area: 129425.0m², Vol: 37645.0m³

Step 9900/19999, Sim Time: 7138.638s (+5.503e-01s), Max Depth: 0.7152159302m, Max Vel: 0.5315190688m/s, Area: 129650.0m², Vol: 37845.8m³

Step 10000/19999, Sim Time: 7193.646s (+5.500e-01s), Max Depth: 0.7167995083m, Max Vel: 0.5300101690m/s, Area: 129775.0m², Vol: 38013.4m³

Step 10100/19999, Sim Time: 7248.589s (+5.485e-01s), Max Depth: 0.7165896109m, Max Vel: 0.5392740960m/s, Area: 129800.0m², Vol: 38149.9m³

Step 10200/19999, Sim Time: 7303.355s (+5.469e-01s), Max Depth: 0.7160152500m, Max Vel: 0.5494001844m/s, Area: 129850.0m², Vol: 38262.0m³

Step 10300/19999, Sim Time: 7357.993s (+5.459e-01s), Max Depth: 0.7157701821m, Max Vel: 0.5561096687m/s, Area: 129950.0m², Vol: 38358.7m³

Step 10400/19999, Sim Time: 7412.538s (+5.451e-01s), Max Depth: 0.7157616758m, Max Vel: 0.5606516900m/s, Area: 129975.0m², Vol: 38443.3m³

Step 10500/19999, Sim Time: 7467.019s (+5.446e-01s), Max Depth: 0.7158696895m, Max Vel: 0.5635703188m/s, Area: 130100.0m², Vol: 38517.7m³

Step 10600/19999, Sim Time: 7521.455s (+5.442e-01s), Max Depth: 0.7160692554m, Max Vel: 0.5652445171m/s, Area: 130100.0m², Vol: 38584.7m³

Step 10700/19999, Sim Time: 7575.867s (+5.440e-01s), Max Depth: 0.7163924546m, Max Vel: 0.5656846076m/s, Area: 130150.0m², Vol: 38645.6m³

Step 10800/19999, Sim Time: 7630.268s (+5.440e-01s), Max Depth: 0.7168377914m, Max Vel: 0.5650162014m/s, Area: 130200.0m², Vol: 38702.4m³

Step 10900/19999, Sim Time: 7684.673s (+5.441e-01s), Max Depth: 0.7174574735m, Max Vel: 0.5632862144m/s, Area: 130225.0m², Vol: 38756.7m³

Step 11000/19999, Sim Time: 7739.096s (+5.444e-01s), Max Depth: 0.7181769325m, Max Vel: 0.5604469272m/s, Area: 130250.0m², Vol: 38809.6m³

Step 11100/19999, Sim Time: 7793.553s (+5.448e-01s), Max Depth: 0.7191055965m, Max Vel: 0.5560240283m/s, Area: 130300.0m², Vol: 38863.8m³

Step 11200/19999, Sim Time: 7848.071s (+5.456e-01s), Max Depth: 0.7201351717m, Max Vel: 0.5494945987m/s, Area: 130375.0m², Vol: 38921.7m³

Step 11300/19999, Sim Time: 7902.666s (+5.462e-01s), Max Depth: 0.7211973526m, Max Vel: 0.5439293823m/s, Area: 130425.0m², Vol: 38985.4m³

Step 11400/19999, Sim Time: 7957.329s (+5.472e-01s), Max Depth: 0.7222314060m, Max Vel: 0.5363814328m/s, Area: 130550.0m², Vol: 39063.0m³

Step 11500/19999, Sim Time: 8012.131s (+5.487e-01s), Max Depth: 0.7236280493m, Max Vel: 0.5251999512m/s, Area: 130600.0m², Vol: 39166.2m³

Step 11600/19999, Sim Time: 8066.977s (+5.476e-01s), Max Depth: 0.7272399828m, Max Vel: 0.5251827955m/s, Area: 130650.0m², Vol: 39274.9m³

Step 11700/19999, Sim Time: 8121.642s (+5.460e-01s), Max Depth: 0.7320576338m, Max Vel: 0.5251355899m/s, Area: 130700.0m², Vol: 39364.6m³

Step 11800/19999, Sim Time: 8176.233s (+5.460e-01s), Max Depth: 0.7321931047m, Max Vel: 0.5249906110m/s, Area: 130750.0m², Vol: 39434.6m³

Step 11900/19999, Sim Time: 8230.848s (+5.463e-01s), Max Depth: 0.7313994803m, Max Vel: 0.5246367081m/s, Area: 130825.0m², Vol: 39485.6m³

Step 12000/19999, Sim Time: 8285.497s (+5.466e-01s), Max Depth: 0.7306647416m, Max Vel: 0.5240507296m/s, Area: 130925.0m², Vol: 39524.5m³

Step 12100/19999, Sim Time: 8340.176s (+5.469e-01s), Max Depth: 0.7302184282m, Max Vel: 0.5234847713m/s, Area: 130950.0m², Vol: 39556.8m³

Step 12200/19999, Sim Time: 8394.866s (+5.469e-01s), Max Depth: 0.7304259419m, Max Vel: 0.5230622435m/s, Area: 130950.0m², Vol: 39585.5m³

Step 12300/19999, Sim Time: 8449.551s (+5.468e-01s), Max Depth: 0.7308103340m, Max Vel: 0.5229182518m/s, Area: 131050.0m², Vol: 39611.8m³

Step 12400/19999, Sim Time: 8504.226s (+5.467e-01s), Max Depth: 0.7310268231m, Max Vel: 0.5229530757m/s, Area: 131125.0m², Vol: 39636.5m³

Step 12500/19999, Sim Time: 8558.893s (+5.466e-01s), Max Depth: 0.7312660134m, Max Vel: 0.5231176506m/s, Area: 131175.0m², Vol: 39659.0m³

Step 12600/19999, Sim Time: 8613.550s (+5.465e-01s), Max Depth: 0.7315205268m, Max Vel: 0.5232323074m/s, Area: 131175.0m², Vol: 39679.7m³

Step 12700/19999, Sim Time: 8668.197s (+5.464e-01s), Max Depth: 0.7317729094m, Max Vel: 0.5233448534m/s, Area: 131175.0m², Vol: 39698.6m³

Step 12800/19999, Sim Time: 8722.835s (+5.463e-01s), Max Depth: 0.7320082659m, Max Vel: 0.5234308020m/s, Area: 131150.0m², Vol: 39716.1m³

Step 12900/19999, Sim Time: 8777.462s (+5.462e-01s), Max Depth: 0.7322162320m, Max Vel: 0.5237447849m/s, Area: 131125.0m², Vol: 39732.1m³

Step 13000/19999, Sim Time: 8832.079s (+5.461e-01s), Max Depth: 0.7323954093m, Max Vel: 0.5240504101m/s, Area: 131125.0m², Vol: 39746.9m³

Step 13100/19999, Sim Time: 8886.684s (+5.460e-01s), Max Depth: 0.7325720907m, Max Vel: 0.5243799290m/s, Area: 131175.0m², Vol: 39760.6m³

Step 13200/19999, Sim Time: 8941.278s (+5.459e-01s), Max Depth: 0.7327589228m, Max Vel: 0.5246634547m/s, Area: 131125.0m², Vol: 39773.1m³

Step 13300/19999, Sim Time: 8995.862s (+5.458e-01s), Max Depth: 0.7329468822m, Max Vel: 0.5249176701m/s, Area: 131150.0m², Vol: 39784.5m³

Step 13400/19999, Sim Time: 9050.436s (+5.457e-01s), Max Depth: 0.7331386463m, Max Vel: 0.5251409320m/s, Area: 131150.0m², Vol: 39795.0m³

Step 13500/19999, Sim Time: 9105.000s (+5.456e-01s), Max Depth: 0.7333288963m, Max Vel: 0.5253601018m/s, Area: 131175.0m², Vol: 39804.6m³

Step 13600/19999, Sim Time: 9159.555s (+5.455e-01s), Max Depth: 0.7335145720m, Max Vel: 0.5255363454m/s, Area: 131225.0m², Vol: 39813.4m³

Step 13700/19999, Sim Time: 9214.102s (+5.454e-01s), Max Depth: 0.7336908140m, Max Vel: 0.5257006147m/s, Area: 131225.0m², Vol: 39821.5m³

Step 13800/19999, Sim Time: 9268.640s (+5.453e-01s), Max Depth: 0.7338570261m, Max Vel: 0.5258458728m/s, Area: 131225.0m², Vol: 39828.8m³

Step 13900/19999, Sim Time: 9323.171s (+5.453e-01s), Max Depth: 0.7340109054m, Max Vel: 0.5259789036m/s, Area: 131250.0m², Vol: 39835.5m³

Step 14000/19999, Sim Time: 9377.696s (+5.452e-01s), Max Depth: 0.7341511111m, Max Vel: 0.5261046720m/s, Area: 131225.0m², Vol: 39841.5m³

Step 14100/19999, Sim Time: 9432.214s (+5.452e-01s), Max Depth: 0.7342763134m, Max Vel: 0.5262251210m/s, Area: 131225.0m², Vol: 39846.7m³

Step 14200/19999, Sim Time: 9486.726s (+5.451e-01s), Max Depth: 0.7343860500m, Max Vel: 0.5263412973m/s, Area: 131200.0m², Vol: 39851.0m³

Step 14300/19999, Sim Time: 9541.234s (+5.451e-01s), Max Depth: 0.7344799753m, Max Vel: 0.5264537784m/s, Area: 131200.0m², Vol: 39854.6m³

Step 14400/19999, Sim Time: 9595.737s (+5.450e-01s), Max Depth: 0.7345582412m, Max Vel: 0.5265645786m/s, Area: 131175.0m², Vol: 39857.5m³

Step 14500/19999, Sim Time: 9650.235s (+5.450e-01s), Max Depth: 0.7346208019m, Max Vel: 0.5266720585m/s, Area: 131250.0m², Vol: 39860.0m³

Step 14600/19999, Sim Time: 9704.731s (+5.449e-01s), Max Depth: 0.7346676399m, Max Vel: 0.5267751614m/s, Area: 131250.0m², Vol: 39862.0m³

Step 14700/19999, Sim Time: 9759.223s (+5.449e-01s), Max Depth: 0.7346991609m, Max Vel: 0.5268738362m/s, Area: 131225.0m², Vol: 39863.2m³

Step 14800/19999, Sim Time: 9813.713s (+5.449e-01s), Max Depth: 0.7347153894m, Max Vel: 0.5269701007m/s, Area: 131225.0m², Vol: 39863.6m³

Step 14900/19999, Sim Time: 9868.201s (+5.449e-01s), Max Depth: 0.7347170440m, Max Vel: 0.5270681306m/s, Area: 131200.0m², Vol: 39863.2m³

Step 15000/19999, Sim Time: 9922.688s (+5.449e-01s), Max Depth: 0.7347047102m, Max Vel: 0.5271641974m/s, Area: 131200.0m², Vol: 39862.0m³

Step 15100/19999, Sim Time: 9977.173s (+5.449e-01s), Max Depth: 0.7346792162m, Max Vel: 0.5272572373m/s, Area: 131175.0m², Vol: 39860.2m³

Step 15200/19999, Sim Time: 10031.658s (+5.448e-01s), Max Depth: 0.7346413349m, Max Vel: 0.5273456727m/s, Area: 131150.0m², Vol: 39857.6m³

Step 15300/19999, Sim Time: 10086.143s (+5.449e-01s), Max Depth: 0.7345920370m, Max Vel: 0.5274276848m/s, Area: 131150.0m², Vol: 39854.2m³

Step 15400/19999, Sim Time: 10140.628s (+5.448e-01s), Max Depth: 0.7345334755m, Max Vel: 0.5275401809m/s, Area: 131150.0m², Vol: 39850.2m³

Step 15500/19999, Sim Time: 10195.114s (+5.449e-01s), Max Depth: 0.7344650468m, Max Vel: 0.5276077084m/s, Area: 131075.0m², Vol: 39845.5m³

Step 15600/19999, Sim Time: 10249.600s (+5.449e-01s), Max Depth: 0.7343923135m, Max Vel: 0.5276914948m/s, Area: 131075.0m², Vol: 39839.8m³

Step 15700/19999, Sim Time: 10304.088s (+5.449e-01s), Max Depth: 0.7343114964m, Max Vel: 0.5277534893m/s, Area: 131075.0m², Vol: 39833.6m³

Step 15800/19999, Sim Time: 10358.577s (+5.449e-01s), Max Depth: 0.7342258320m, Max Vel: 0.5278107110m/s, Area: 131075.0m², Vol: 39827.2m³

Step 15900/19999, Sim Time: 10413.067s (+5.449e-01s), Max Depth: 0.7341380417m, Max Vel: 0.5278550987m/s, Area: 131075.0m², Vol: 39820.5m³

Step 16000/19999, Sim Time: 10467.560s (+5.449e-01s), Max Depth: 0.7340493547m, Max Vel: 0.5278911984m/s, Area: 131025.0m², Vol: 39813.5m³

Step 16100/19999, Sim Time: 10522.056s (+5.450e-01s), Max Depth: 0.7339598700m, Max Vel: 0.5278831623m/s, Area: 131050.0m², Vol: 39806.4m³

Step 16200/19999, Sim Time: 10576.554s (+5.450e-01s), Max Depth: 0.7338709110m, Max Vel: 0.5279038295m/s, Area: 131025.0m², Vol: 39799.3m³

Step 16300/19999, Sim Time: 10631.054s (+5.450e-01s), Max Depth: 0.7337824824m, Max Vel: 0.5278886818m/s, Area: 131025.0m², Vol: 39792.3m³

Step 16400/19999, Sim Time: 10685.558s (+5.450e-01s), Max Depth: 0.7336999146m, Max Vel: 0.5278804745m/s, Area: 131025.0m², Vol: 39785.4m³

Step 16500/19999, Sim Time: 10740.065s (+5.451e-01s), Max Depth: 0.7336200841m, Max Vel: 0.5278609444m/s, Area: 131000.0m², Vol: 39778.5m³

Step 16600/19999, Sim Time: 10794.574s (+5.451e-01s), Max Depth: 0.7335439567m, Max Vel: 0.5278361613m/s, Area: 131000.0m², Vol: 39771.8m³

Step 16700/19999, Sim Time: 10849.086s (+5.451e-01s), Max Depth: 0.7334721459m, Max Vel: 0.5278032690m/s, Area: 130975.0m², Vol: 39765.2m³

Step 16800/19999, Sim Time: 10903.600s (+5.452e-01s), Max Depth: 0.7334056741m, Max Vel: 0.5277629852m/s, Area: 130925.0m², Vol: 39758.5m³

Step 16900/19999, Sim Time: 10958.118s (+5.452e-01s), Max Depth: 0.7333445111m, Max Vel: 0.5277161132m/s, Area: 130900.0m², Vol: 39752.0m³

Step 17000/19999, Sim Time: 11012.638s (+5.452e-01s), Max Depth: 0.7332885087m, Max Vel: 0.5276640350m/s, Area: 130900.0m², Vol: 39745.6m³

Step 17100/19999, Sim Time: 11067.161s (+5.452e-01s), Max Depth: 0.7332381278m, Max Vel: 0.5276075713m/s, Area: 130875.0m², Vol: 39739.5m³

Step 17200/19999, Sim Time: 11121.686s (+5.453e-01s), Max Depth: 0.7331935315m, Max Vel: 0.5275467166m/s, Area: 130875.0m², Vol: 39733.7m³

Step 17300/19999, Sim Time: 11176.214s (+5.453e-01s), Max Depth: 0.7331547366m, Max Vel: 0.5274823492m/s, Area: 130850.0m², Vol: 39728.0m³

Step 17400/19999, Sim Time: 11230.743s (+5.453e-01s), Max Depth: 0.7331216959m, Max Vel: 0.5274136917m/s, Area: 130850.0m², Vol: 39722.6m³

Step 17500/19999, Sim Time: 11285.275s (+5.453e-01s), Max Depth: 0.7330944685m, Max Vel: 0.5273436834m/s, Area: 130825.0m², Vol: 39717.6m³

Step 17600/19999, Sim Time: 11339.809s (+5.453e-01s), Max Depth: 0.7330732153m, Max Vel: 0.5272724118m/s, Area: 130825.0m², Vol: 39713.1m³

Step 17700/19999, Sim Time: 11394.345s (+5.454e-01s), Max Depth: 0.7330579789m, Max Vel: 0.5272009707m/s, Area: 130825.0m², Vol: 39709.2m³

Step 17800/19999, Sim Time: 11448.882s (+5.454e-01s), Max Depth: 0.7330487354m, Max Vel: 0.5271298444m/s, Area: 130825.0m², Vol: 39705.8m³

Step 17900/19999, Sim Time: 11503.421s (+5.454e-01s), Max Depth: 0.7330453786m, Max Vel: 0.5270591586m/s, Area: 130825.0m², Vol: 39703.0m³

Step 18000/19999, Sim Time: 11557.961s (+5.454e-01s), Max Depth: 0.7330476896m, Max Vel: 0.5269888434m/s, Area: 130800.0m², Vol: 39700.7m³

Step 18100/19999, Sim Time: 11612.501s (+5.454e-01s), Max Depth: 0.7330554154m, Max Vel: 0.5269192678m/s, Area: 130750.0m², Vol: 39698.6m³

Step 18200/19999, Sim Time: 11667.043s (+5.454e-01s), Max Depth: 0.7330682594m, Max Vel: 0.5268502993m/s, Area: 130750.0m², Vol: 39696.8m³

Step 18300/19999, Sim Time: 11721.586s (+5.454e-01s), Max Depth: 0.7330858821m, Max Vel: 0.5267821920m/s, Area: 130700.0m², Vol: 39695.3m³

Step 18400/19999, Sim Time: 11776.129s (+5.454e-01s), Max Depth: 0.7331079071m, Max Vel: 0.5267146805m/s, Area: 130675.0m², Vol: 39694.0m³

Step 18500/19999, Sim Time: 11830.672s (+5.454e-01s), Max Depth: 0.7331339285m, Max Vel: 0.5266481213m/s, Area: 130600.0m², Vol: 39692.7m³

Step 18600/19999, Sim Time: 11885.216s (+5.454e-01s), Max Depth: 0.7331635920m, Max Vel: 0.5265826513m/s, Area: 130625.0m², Vol: 39691.7m³

Step 18700/19999, Sim Time: 11939.759s (+5.454e-01s), Max Depth: 0.7331965316m, Max Vel: 0.5265184073m/s, Area: 130625.0m², Vol: 39691.0m³

Step 18800/19999, Sim Time: 11994.303s (+5.454e-01s), Max Depth: 0.7332322565m, Max Vel: 0.5264522446m/s, Area: 130625.0m², Vol: 39690.7m³

Step 18900/19999, Sim Time: 12048.847s (+5.454e-01s), Max Depth: 0.7332700467m, Max Vel: 0.5263863480m/s, Area: 130600.0m², Vol: 39690.7m³

Step 19000/19999, Sim Time: 12103.391s (+5.454e-01s), Max Depth: 0.7333098494m, Max Vel: 0.5263215649m/s, Area: 130650.0m², Vol: 39691.1m³

Step 19100/19999, Sim Time: 12157.934s (+5.454e-01s), Max Depth: 0.7333514688m, Max Vel: 0.5262590183m/s, Area: 130650.0m², Vol: 39691.9m³

Step 19200/19999, Sim Time: 12212.477s (+5.454e-01s), Max Depth: 0.7333946851m, Max Vel: 0.5261992596m/s, Area: 130625.0m², Vol: 39693.0m³

Step 19300/19999, Sim Time: 12267.020s (+5.454e-01s), Max Depth: 0.7334392710m, Max Vel: 0.5261424209m/s, Area: 130675.0m², Vol: 39694.6m³

Step 19400/19999, Sim Time: 12321.563s (+5.454e-01s), Max Depth: 0.7334849470m, Max Vel: 0.5260885293m/s, Area: 130725.0m², Vol: 39696.6m³

Step 19500/19999, Sim Time: 12376.104s (+5.454e-01s), Max Depth: 0.7335314523m, Max Vel: 0.5260375832m/s, Area: 130775.0m², Vol: 39699.3m³

Step 19600/19999, Sim Time: 12430.646s (+5.454e-01s), Max Depth: 0.7335785129m, Max Vel: 0.5259895917m/s, Area: 130800.0m², Vol: 39702.7m³

Step 19700/19999, Sim Time: 12485.186s (+5.454e-01s), Max Depth: 0.7336258598m, Max Vel: 0.5259445568m/s, Area: 130825.0m², Vol: 39706.5m³

Step 19800/19999, Sim Time: 12539.726s (+5.454e-01s), Max Depth: 0.7336732337m, Max Vel: 0.5259024719m/s, Area: 130800.0m², Vol: 39710.6m³

Step 19900/19999, Sim Time: 12594.265s (+5.454e-01s), Max Depth: 0.7337203824m, Max Vel: 0.5258633370m/s, Area: 130825.0m², Vol: 39714.9m³

Step 19999/19999, Sim Time: 12648.258s (+5.454e-01s), Max Depth: 0.7337666009m, Max Vel: 0.5258274906m/s, Area: 130825.0m², Vol: 39719.5m³

Simulation finished 20000 steps in 173.20 seconds (wall clock).

Final Maximum Flood Extent Area: 134625.00 m²

Peak Recorded Water Depth Anywhere: 0.735 m

Phase 1 simulation complete. Final sim time: 12648.26s

End of Phase 1 at Sim Time: 12648.26s. Stored steady\_state\_h.

--- Starting Phase 2: Rainfall & WSE Monitoring (30000 steps) ---

Added rainfall: rate=1.6927083333333333e-06 m/s, duration=30000 steps

Added rainfall for Phase 2: 6.09375 mm/hr

Step 0/29999, Sim Time: 0.545s (+5.454e-01s), Max Depth: 0.7337679598m, Max Vel: 0.5258271432m/s, Area: 130825.0m², Vol: 39720.5m³

Step 100/29999, Sim Time: 55.017s (+5.386e-01s), Max Depth: 0.7338972780m, Max Vel: 0.5682742612m/s, Area: 130850.0m², Vol: 39824.3m³

Step 200/29999, Sim Time: 106.680s (+4.800e-01s), Max Depth: 0.8464900193m, Max Vel: 0.7709326943m/s, Area: 130875.0m², Vol: 39922.3m³

Step 300/29999, Sim Time: 131.676s (+1.319e-01s), Max Depth: 1.0919089938m, Max Vel: 9.9999999998m/s, Area: 130900.0m², Vol: 39973.3m³

Step 400/29999, Sim Time: 144.673s (+1.284e-01s), Max Depth: 1.3472709984m, Max Vel: 9.9999999994m/s, Area: 130900.0m², Vol: 40004.2m³

Step 500/29999, Sim Time: 157.489s (+1.383e-01s), Max Depth: 1.3907709507m, Max Vel: 8.6984788187m/s, Area: 130925.0m², Vol: 40031.0m³

Step 600/29999, Sim Time: 193.246s (+4.369e-01s), Max Depth: 0.9424560164m, Max Vel: 0.9509564045m/s, Area: 130975.0m², Vol: 40104.2m³

Step 700/29999, Sim Time: 222.870s (+1.379e-01s), Max Depth: 0.7386682811m, Max Vel: 9.9999999993m/s, Area: 131100.0m², Vol: 40166.1m³

Step 800/29999, Sim Time: 254.371s (+1.380e-01s), Max Depth: 0.7343608803m, Max Vel: 9.9999999990m/s, Area: 131225.0m², Vol: 40233.7m³

Step 900/29999, Sim Time: 268.167s (+1.380e-01s), Max Depth: 0.7343909547m, Max Vel: 9.9999999990m/s, Area: 131300.0m², Vol: 40263.3m³

Step 1000/29999, Sim Time: 281.964s (+1.380e-01s), Max Depth: 0.7344205160m, Max Vel: 9.9999999990m/s, Area: 131350.0m², Vol: 40292.7m³

Step 1100/29999, Sim Time: 295.761s (+1.380e-01s), Max Depth: 0.7344495583m, Max Vel: 9.9999999990m/s, Area: 131400.0m², Vol: 40321.3m³

Step 1200/29999, Sim Time: 309.558s (+1.380e-01s), Max Depth: 0.7344780457m, Max Vel: 9.9999999990m/s, Area: 131525.0m², Vol: 40350.8m³

Step 1300/29999, Sim Time: 323.354s (+1.380e-01s), Max Depth: 0.7345059574m, Max Vel: 9.9999999991m/s, Area: 131575.0m², Vol: 40383.3m³

Step 1400/29999, Sim Time: 337.151s (+1.380e-01s), Max Depth: 0.7345333045m, Max Vel: 9.9999999990m/s, Area: 131700.0m², Vol: 40418.7m³

Step 1500/29999, Sim Time: 350.947s (+1.380e-01s), Max Depth: 0.7345600785m, Max Vel: 9.9999999990m/s, Area: 131700.0m², Vol: 40448.4m³

Step 1600/29999, Sim Time: 364.744s (+1.380e-01s), Max Depth: 0.7345862456m, Max Vel: 9.9999999990m/s, Area: 131750.0m², Vol: 40475.4m³

Step 1700/29999, Sim Time: 378.540s (+1.380e-01s), Max Depth: 0.7346117743m, Max Vel: 9.9999999990m/s, Area: 131850.0m², Vol: 40504.3m³

Step 1800/29999, Sim Time: 392.336s (+1.380e-01s), Max Depth: 0.7346366615m, Max Vel: 9.9999999990m/s, Area: 131850.0m², Vol: 40534.4m³

Step 1900/29999, Sim Time: 406.133s (+1.380e-01s), Max Depth: 0.7346609019m, Max Vel: 9.9999999990m/s, Area: 131875.0m², Vol: 40563.8m³

Step 2000/29999, Sim Time: 419.929s (+1.380e-01s), Max Depth: 0.7346844775m, Max Vel: 9.9999999990m/s, Area: 131925.0m², Vol: 40594.3m³

Step 2100/29999, Sim Time: 433.725s (+1.380e-01s), Max Depth: 0.7347073818m, Max Vel: 9.9999999990m/s, Area: 132000.0m², Vol: 40623.8m³

Step 2200/29999, Sim Time: 447.521s (+1.380e-01s), Max Depth: 0.7347296093m, Max Vel: 9.9999999992m/s, Area: 132025.0m², Vol: 40655.7m³

Step 2300/29999, Sim Time: 477.329s (+1.380e-01s), Max Depth: 0.7347753111m, Max Vel: 9.9999999990m/s, Area: 132250.0m², Vol: 40720.8m³

Step 2400/29999, Sim Time: 513.998s (+5.157e-01s), Max Depth: 0.7348272003m, Max Vel: 0.7100473206m/s, Area: 132350.0m², Vol: 40793.9m³

Step 2500/29999, Sim Time: 565.457s (+5.154e-01s), Max Depth: 0.7348915800m, Max Vel: 0.7099053343m/s, Area: 132450.0m², Vol: 40886.4m³

Step 2600/29999, Sim Time: 617.186s (+5.184e-01s), Max Depth: 0.7349457700m, Max Vel: 0.6904749687m/s, Area: 132600.0m², Vol: 40979.6m³

Step 2700/29999, Sim Time: 669.123s (+5.200e-01s), Max Depth: 0.7349893023m, Max Vel: 0.6802027489m/s, Area: 132675.0m², Vol: 41075.9m³

Step 2800/29999, Sim Time: 695.808s (+1.380e-01s), Max Depth: 0.7350073637m, Max Vel: 9.9999999996m/s, Area: 132725.0m², Vol: 41130.5m³

Step 2900/29999, Sim Time: 744.480s (+5.204e-01s), Max Depth: 0.7350328065m, Max Vel: 0.6761001326m/s, Area: 132825.0m², Vol: 41224.9m³

Step 3000/29999, Sim Time: 796.237s (+5.187e-01s), Max Depth: 0.7350493828m, Max Vel: 0.6885709567m/s, Area: 132850.0m², Vol: 41323.2m³

Step 3100/29999, Sim Time: 847.977s (+5.162e-01s), Max Depth: 0.7350557838m, Max Vel: 0.7049252251m/s, Area: 133100.0m², Vol: 41422.1m³

Step 3200/29999, Sim Time: 899.563s (+5.157e-01s), Max Depth: 0.7350520214m, Max Vel: 0.7081864805m/s, Area: 133125.0m², Vol: 41520.1m³

Step 3300/29999, Sim Time: 936.001s (+1.380e-01s), Max Depth: 0.7350435262m, Max Vel: 9.9999999992m/s, Area: 133225.0m², Vol: 41591.3m³

Step 3400/29999, Sim Time: 982.126s (+5.149e-01s), Max Depth: 0.7350263179m, Max Vel: 0.7114140650m/s, Area: 133225.0m², Vol: 41679.7m³

Step 3500/29999, Sim Time: 1033.681s (+5.152e-01s), Max Depth: 0.7349996865m, Max Vel: 0.7116287265m/s, Area: 133275.0m², Vol: 41778.3m³

Step 3600/29999, Sim Time: 1085.137s (+5.140e-01s), Max Depth: 0.7349664965m, Max Vel: 0.7200783409m/s, Area: 133300.0m², Vol: 41876.2m³

Step 3700/29999, Sim Time: 1136.507s (+5.136e-01s), Max Depth: 0.7349248231m, Max Vel: 0.7220421661m/s, Area: 133400.0m², Vol: 41975.6m³

Step 3800/29999, Sim Time: 1187.834s (+5.130e-01s), Max Depth: 0.7348758136m, Max Vel: 0.7263204889m/s, Area: 133525.0m², Vol: 42076.6m³

Step 3900/29999, Sim Time: 1239.109s (+5.127e-01s), Max Depth: 0.7348210870m, Max Vel: 0.7281462462m/s, Area: 133575.0m², Vol: 42179.4m³

Step 4000/29999, Sim Time: 1290.351s (+5.123e-01s), Max Depth: 0.7347617582m, Max Vel: 0.7315039786m/s, Area: 133575.0m², Vol: 42283.2m³

Step 4100/29999, Sim Time: 1341.552s (+5.117e-01s), Max Depth: 0.7346982338m, Max Vel: 0.7354488758m/s, Area: 133725.0m², Vol: 42388.0m³

Step 4200/29999, Sim Time: 1387.101s (+2.125e-01s), Max Depth: 0.7346390506m, Max Vel: 5.6830929586m/s, Area: 133750.0m², Vol: 42481.5m³

Step 4300/29999, Sim Time: 1413.574s (+5.125e-01s), Max Depth: 0.7346037834m, Max Vel: 0.7292954090m/s, Area: 133900.0m², Vol: 42542.3m³

Step 4400/29999, Sim Time: 1464.706s (+5.110e-01s), Max Depth: 0.7345338370m, Max Vel: 0.7402729437m/s, Area: 134050.0m², Vol: 42646.0m³

Step 4500/29999, Sim Time: 1489.372s (+1.380e-01s), Max Depth: 0.7344995039m, Max Vel: 9.9999999992m/s, Area: 134100.0m², Vol: 42699.9m³

Step 4600/29999, Sim Time: 1534.868s (+5.150e-01s), Max Depth: 0.7344352988m, Max Vel: 0.7149136413m/s, Area: 134175.0m², Vol: 42797.2m³

Step 4700/29999, Sim Time: 1586.335s (+5.155e-01s), Max Depth: 0.7343619840m, Max Vel: 0.7099804251m/s, Area: 134300.0m², Vol: 42902.4m³

Step 4800/29999, Sim Time: 1638.051s (+5.176e-01s), Max Depth: 0.7342879998m, Max Vel: 0.6972131301m/s, Area: 134400.0m², Vol: 43009.8m³

Step 4900/29999, Sim Time: 1689.884s (+5.186e-01s), Max Depth: 0.7342141507m, Max Vel: 0.6907545764m/s, Area: 134600.0m², Vol: 43119.1m³

Step 5000/29999, Sim Time: 1741.812s (+5.196e-01s), Max Depth: 0.7341416497m, Max Vel: 0.6840325457m/s, Area: 134750.0m², Vol: 43229.8m³

Step 5100/29999, Sim Time: 1793.816s (+5.204e-01s), Max Depth: 0.7340710069m, Max Vel: 0.6794549002m/s, Area: 134725.0m², Vol: 43341.5m³

Step 5200/29999, Sim Time: 1845.845s (+5.204e-01s), Max Depth: 0.7340015170m, Max Vel: 0.6792834448m/s, Area: 134875.0m², Vol: 43453.6m³

Step 5300/29999, Sim Time: 1897.924s (+5.213e-01s), Max Depth: 0.7339330049m, Max Vel: 0.6739977656m/s, Area: 134925.0m², Vol: 43565.8m³

Step 5400/29999, Sim Time: 1950.090s (+5.221e-01s), Max Depth: 0.7338653798m, Max Vel: 0.6689770057m/s, Area: 134975.0m², Vol: 43679.2m³

Step 5500/29999, Sim Time: 2002.308s (+5.226e-01s), Max Depth: 0.7337986826m, Max Vel: 0.6656515620m/s, Area: 135025.0m², Vol: 43792.8m³

Step 5600/29999, Sim Time: 2054.613s (+5.236e-01s), Max Depth: 0.7337329823m, Max Vel: 0.6591222050m/s, Area: 135125.0m², Vol: 43907.0m³

Step 5700/29999, Sim Time: 2107.025s (+5.247e-01s), Max Depth: 0.7336684076m, Max Vel: 0.6526253607m/s, Area: 135250.0m², Vol: 44022.3m³

Step 5800/29999, Sim Time: 2159.536s (+5.255e-01s), Max Depth: 0.7336049915m, Max Vel: 0.6473299424m/s, Area: 135400.0m², Vol: 44138.3m³

Step 5900/29999, Sim Time: 2212.130s (+5.263e-01s), Max Depth: 0.7335428435m, Max Vel: 0.6425525750m/s, Area: 135450.0m², Vol: 44255.4m³

Step 6000/29999, Sim Time: 2264.799s (+5.270e-01s), Max Depth: 0.7334820154m, Max Vel: 0.6380229588m/s, Area: 135625.0m², Vol: 44373.9m³

Step 6100/29999, Sim Time: 2317.539s (+5.277e-01s), Max Depth: 0.7334225311m, Max Vel: 0.6341330880m/s, Area: 135750.0m², Vol: 44494.0m³

Step 6200/29999, Sim Time: 2370.339s (+5.283e-01s), Max Depth: 0.7333644082m, Max Vel: 0.6305655304m/s, Area: 135850.0m², Vol: 44615.2m³

Step 6300/29999, Sim Time: 2423.191s (+5.287e-01s), Max Depth: 0.7333076793m, Max Vel: 0.6276000437m/s, Area: 135950.0m², Vol: 44737.6m³

Step 6400/29999, Sim Time: 2476.089s (+5.292e-01s), Max Depth: 0.7332525471m, Max Vel: 0.6250243492m/s, Area: 136025.0m², Vol: 44861.1m³

Step 6500/29999, Sim Time: 2529.026s (+5.295e-01s), Max Depth: 0.7331994101m, Max Vel: 0.6228835290m/s, Area: 136075.0m², Vol: 44985.6m³

Step 6600/29999, Sim Time: 2581.995s (+5.298e-01s), Max Depth: 0.7331477297m, Max Vel: 0.6211221609m/s, Area: 136200.0m², Vol: 45110.7m³

Step 6700/29999, Sim Time: 2634.992s (+5.301e-01s), Max Depth: 0.7330971959m, Max Vel: 0.6197007123m/s, Area: 136225.0m², Vol: 45236.4m³

Step 6800/29999, Sim Time: 2688.010s (+5.303e-01s), Max Depth: 0.7330512915m, Max Vel: 0.6184353302m/s, Area: 136325.0m², Vol: 45362.5m³

Step 6900/29999, Sim Time: 2741.049s (+5.305e-01s), Max Depth: 0.7330078994m, Max Vel: 0.6174773798m/s, Area: 136425.0m², Vol: 45489.2m³

Step 7000/29999, Sim Time: 2794.103s (+5.306e-01s), Max Depth: 0.7329610044m, Max Vel: 0.6166129809m/s, Area: 136550.0m², Vol: 45616.2m³

Step 7100/29999, Sim Time: 2847.171s (+5.307e-01s), Max Depth: 0.7329101127m, Max Vel: 0.6158585799m/s, Area: 136550.0m², Vol: 45744.1m³

Step 7200/29999, Sim Time: 2900.251s (+5.308e-01s), Max Depth: 0.7328549017m, Max Vel: 0.6153360383m/s, Area: 136650.0m², Vol: 45872.7m³

Step 7300/29999, Sim Time: 2953.340s (+5.309e-01s), Max Depth: 0.7327963114m, Max Vel: 0.6149492083m/s, Area: 136800.0m², Vol: 46002.3m³

Step 7400/29999, Sim Time: 3006.436s (+5.310e-01s), Max Depth: 0.7327342368m, Max Vel: 0.6146610975m/s, Area: 136950.0m², Vol: 46133.0m³

Step 7500/29999, Sim Time: 3059.537s (+5.310e-01s), Max Depth: 0.7326697459m, Max Vel: 0.6145655866m/s, Area: 137025.0m², Vol: 46264.7m³

Step 7600/29999, Sim Time: 3112.640s (+5.310e-01s), Max Depth: 0.7326032024m, Max Vel: 0.6146854504m/s, Area: 137100.0m², Vol: 46397.0m³

Step 7700/29999, Sim Time: 3165.743s (+5.310e-01s), Max Depth: 0.7325357505m, Max Vel: 0.6146760977m/s, Area: 137200.0m², Vol: 46530.7m³

Step 7800/29999, Sim Time: 3218.848s (+5.310e-01s), Max Depth: 0.7324664852m, Max Vel: 0.6147957443m/s, Area: 137225.0m², Vol: 46665.6m³

Step 7900/29999, Sim Time: 3271.954s (+5.311e-01s), Max Depth: 0.7323960376m, Max Vel: 0.6148184025m/s, Area: 137400.0m², Vol: 46801.8m³

Step 8000/29999, Sim Time: 3325.061s (+5.311e-01s), Max Depth: 0.7323243949m, Max Vel: 0.6148228140m/s, Area: 137425.0m², Vol: 46938.9m³

Step 8100/29999, Sim Time: 3378.171s (+5.311e-01s), Max Depth: 0.7322516725m, Max Vel: 0.6148667957m/s, Area: 137625.0m², Vol: 47076.7m³

Step 8200/29999, Sim Time: 3431.282s (+5.311e-01s), Max Depth: 0.7321779455m, Max Vel: 0.6148188376m/s, Area: 137650.0m², Vol: 47215.7m³

Step 8300/29999, Sim Time: 3484.395s (+5.311e-01s), Max Depth: 0.7321035968m, Max Vel: 0.6148994773m/s, Area: 137750.0m², Vol: 47355.6m³

Step 8400/29999, Sim Time: 3537.511s (+5.312e-01s), Max Depth: 0.7320289422m, Max Vel: 0.6148232415m/s, Area: 137800.0m², Vol: 47496.4m³

Step 8500/29999, Sim Time: 3590.629s (+5.312e-01s), Max Depth: 0.7319535234m, Max Vel: 0.6149030802m/s, Area: 137925.0m², Vol: 47638.2m³

Step 8600/29999, Sim Time: 3643.748s (+5.312e-01s), Max Depth: 0.7318779470m, Max Vel: 0.6148432028m/s, Area: 138125.0m², Vol: 47781.7m³

Step 8700/29999, Sim Time: 3696.870s (+5.312e-01s), Max Depth: 0.7318027738m, Max Vel: 0.6149289169m/s, Area: 138275.0m², Vol: 47927.6m³

Step 8800/29999, Sim Time: 3749.994s (+5.312e-01s), Max Depth: 0.7317362923m, Max Vel: 0.6148796010m/s, Area: 138300.0m², Vol: 48075.5m³

Step 8900/29999, Sim Time: 3803.119s (+5.313e-01s), Max Depth: 0.7316862941m, Max Vel: 0.6149528753m/s, Area: 138350.0m², Vol: 48224.5m³

Step 9000/29999, Sim Time: 3856.245s (+5.313e-01s), Max Depth: 0.7316582625m, Max Vel: 0.6149303529m/s, Area: 138425.0m², Vol: 48374.6m³

Step 9100/29999, Sim Time: 3909.371s (+5.313e-01s), Max Depth: 0.7316080305m, Max Vel: 0.6149968615m/s, Area: 138575.0m², Vol: 48525.3m³

Step 9200/29999, Sim Time: 3962.499s (+5.313e-01s), Max Depth: 0.7315302621m, Max Vel: 0.6149602461m/s, Area: 138725.0m², Vol: 48677.0m³

Step 9300/29999, Sim Time: 4015.630s (+5.313e-01s), Max Depth: 0.7314448160m, Max Vel: 0.6150380561m/s, Area: 138750.0m², Vol: 48830.5m³

Step 9400/29999, Sim Time: 4068.762s (+5.313e-01s), Max Depth: 0.7313596709m, Max Vel: 0.6149998553m/s, Area: 138800.0m², Vol: 48985.3m³

Step 9500/29999, Sim Time: 4121.897s (+5.314e-01s), Max Depth: 0.7312772189m, Max Vel: 0.6150650045m/s, Area: 139025.0m², Vol: 49140.6m³

Step 9600/29999, Sim Time: 4175.034s (+5.314e-01s), Max Depth: 0.7311989861m, Max Vel: 0.6150474385m/s, Area: 139050.0m², Vol: 49296.8m³

Step 9700/29999, Sim Time: 4228.169s (+5.313e-01s), Max Depth: 0.7314450084m, Max Vel: 0.6150493291m/s, Area: 139225.0m², Vol: 49453.6m³

Step 9800/29999, Sim Time: 4281.295s (+5.312e-01s), Max Depth: 0.7317616411m, Max Vel: 0.6150973744m/s, Area: 139300.0m², Vol: 49610.3m³

Step 9900/29999, Sim Time: 4334.411s (+5.311e-01s), Max Depth: 0.7321204944m, Max Vel: 0.6151014089m/s, Area: 139500.0m², Vol: 49767.3m³

Step 10000/29999, Sim Time: 4387.516s (+5.310e-01s), Max Depth: 0.7324955692m, Max Vel: 0.6150742536m/s, Area: 139575.0m², Vol: 49924.2m³

Step 10100/29999, Sim Time: 4440.609s (+5.309e-01s), Max Depth: 0.7328970463m, Max Vel: 0.6151039661m/s, Area: 139650.0m², Vol: 50080.5m³

Step 10200/29999, Sim Time: 4493.690s (+5.307e-01s), Max Depth: 0.7333206280m, Max Vel: 0.6151317363m/s, Area: 139750.0m², Vol: 50236.1m³

Step 10300/29999, Sim Time: 4546.758s (+5.306e-01s), Max Depth: 0.7337704074m, Max Vel: 0.6151054748m/s, Area: 139900.0m², Vol: 50390.6m³

Step 10400/29999, Sim Time: 4599.812s (+5.305e-01s), Max Depth: 0.7342399397m, Max Vel: 0.6150945465m/s, Area: 139925.0m², Vol: 50544.0m³

Step 10500/29999, Sim Time: 4652.852s (+5.303e-01s), Max Depth: 0.7347259039m, Max Vel: 0.6151216238m/s, Area: 140000.0m², Vol: 50696.0m³

Step 10600/29999, Sim Time: 4705.879s (+5.302e-01s), Max Depth: 0.7352151551m, Max Vel: 0.6151198631m/s, Area: 140175.0m², Vol: 50846.2m³

Step 10700/29999, Sim Time: 4758.890s (+5.300e-01s), Max Depth: 0.7357060450m, Max Vel: 0.6150959409m/s, Area: 140175.0m², Vol: 50995.4m³

Step 10800/29999, Sim Time: 4811.888s (+5.299e-01s), Max Depth: 0.7361847839m, Max Vel: 0.6150773700m/s, Area: 140225.0m², Vol: 51143.5m³

Step 10900/29999, Sim Time: 4864.872s (+5.298e-01s), Max Depth: 0.7366497730m, Max Vel: 0.6150948102m/s, Area: 140400.0m², Vol: 51290.1m³

Step 11000/29999, Sim Time: 4917.843s (+5.296e-01s), Max Depth: 0.7371018729m, Max Vel: 0.6150859729m/s, Area: 140525.0m², Vol: 51434.9m³

Step 11100/29999, Sim Time: 4970.801s (+5.295e-01s), Max Depth: 0.7375688241m, Max Vel: 0.6150417306m/s, Area: 140525.0m², Vol: 51578.1m³

Step 11200/29999, Sim Time: 5023.745s (+5.294e-01s), Max Depth: 0.7380448070m, Max Vel: 0.6150197911m/s, Area: 140600.0m², Vol: 51719.7m³

Step 11300/29999, Sim Time: 5076.674s (+5.292e-01s), Max Depth: 0.7385807997m, Max Vel: 0.6150033353m/s, Area: 140625.0m², Vol: 51859.5m³

Step 11400/29999, Sim Time: 5129.589s (+5.291e-01s), Max Depth: 0.7390784851m, Max Vel: 0.6150033837m/s, Area: 140750.0m², Vol: 51997.5m³

Step 11500/29999, Sim Time: 5182.490s (+5.289e-01s), Max Depth: 0.7395689200m, Max Vel: 0.6149520502m/s, Area: 140850.0m², Vol: 52134.2m³

Step 11600/29999, Sim Time: 5235.378s (+5.288e-01s), Max Depth: 0.7400471565m, Max Vel: 0.6149180036m/s, Area: 140950.0m², Vol: 52269.7m³

Step 11700/29999, Sim Time: 5288.252s (+5.287e-01s), Max Depth: 0.7405164986m, Max Vel: 0.6149336448m/s, Area: 140925.0m², Vol: 52404.2m³

Step 11800/29999, Sim Time: 5341.112s (+5.285e-01s), Max Depth: 0.7409880729m, Max Vel: 0.6149484540m/s, Area: 141075.0m², Vol: 52537.5m³

Step 11900/29999, Sim Time: 5393.958s (+5.284e-01s), Max Depth: 0.7414933540m, Max Vel: 0.6149265691m/s, Area: 141200.0m², Vol: 52669.6m³

Step 12000/29999, Sim Time: 5446.789s (+5.282e-01s), Max Depth: 0.7420041183m, Max Vel: 0.6149175723m/s, Area: 141225.0m², Vol: 52801.4m³

Step 12100/29999, Sim Time: 5499.606s (+5.281e-01s), Max Depth: 0.7425097664m, Max Vel: 0.6149315377m/s, Area: 141250.0m², Vol: 52932.4m³

Step 12200/29999, Sim Time: 5552.408s (+5.279e-01s), Max Depth: 0.7430064336m, Max Vel: 0.6149351132m/s, Area: 141325.0m², Vol: 53062.0m³

Step 12300/29999, Sim Time: 5605.196s (+5.278e-01s), Max Depth: 0.7435005949m, Max Vel: 0.6148944484m/s, Area: 141350.0m², Vol: 53190.1m³

Step 12400/29999, Sim Time: 5657.970s (+5.277e-01s), Max Depth: 0.7439996126m, Max Vel: 0.6148691679m/s, Area: 141400.0m², Vol: 53316.8m³

Step 12500/29999, Sim Time: 5710.730s (+5.275e-01s), Max Depth: 0.7444951270m, Max Vel: 0.6148775252m/s, Area: 141425.0m², Vol: 53442.1m³

Step 12600/29999, Sim Time: 5763.476s (+5.274e-01s), Max Depth: 0.7449821390m, Max Vel: 0.6148387452m/s, Area: 141450.0m², Vol: 53565.3m³

Step 12700/29999, Sim Time: 5816.208s (+5.273e-01s), Max Depth: 0.7454551637m, Max Vel: 0.6147633228m/s, Area: 141475.0m², Vol: 53686.7m³

Step 12800/29999, Sim Time: 5868.928s (+5.271e-01s), Max Depth: 0.7459120105m, Max Vel: 0.6147974485m/s, Area: 141600.0m², Vol: 53806.1m³

Step 12900/29999, Sim Time: 5921.636s (+5.270e-01s), Max Depth: 0.7463536094m, Max Vel: 0.6147196909m/s, Area: 141700.0m², Vol: 53923.6m³

Step 13000/29999, Sim Time: 5974.331s (+5.269e-01s), Max Depth: 0.7467836257m, Max Vel: 0.6147000038m/s, Area: 142025.0m², Vol: 54039.8m³

Step 13100/29999, Sim Time: 6027.015s (+5.268e-01s), Max Depth: 0.7472036715m, Max Vel: 0.6146901060m/s, Area: 142975.0m², Vol: 54153.4m³

Step 13200/29999, Sim Time: 6079.687s (+5.267e-01s), Max Depth: 0.7476097975m, Max Vel: 0.6146204585m/s, Area: 151200.0m², Vol: 54259.4m³

Step 13300/29999, Sim Time: 6132.348s (+5.266e-01s), Max Depth: 0.7475086822m, Max Vel: 0.6146188397m/s, Area: 181700.0m², Vol: 54307.0m³

Step 13400/29999, Sim Time: 6154.051s (+5.152e-01s), Max Depth: 0.7474120413m, Max Vel: 0.6808363862m/s, Area: 200100.0m², Vol: 54312.6m³

Step 13500/29999, Sim Time: 6186.853s (+1.377e-01s), Max Depth: 0.7472179367m, Max Vel: 9.9999999993m/s, Area: 237750.0m², Vol: 54296.2m³

Step 13600/29999, Sim Time: 6223.941s (+4.018e-01s), Max Depth: 0.7471555951m, Max Vel: 1.6537828149m/s, Area: 281250.0m², Vol: 54215.3m³

Step 13700/29999, Sim Time: 6260.430s (+3.340e-01s), Max Depth: 0.7469852039m, Max Vel: 2.5366755385m/s, Area: 317975.0m², Vol: 54202.4m³

Step 13800/29999, Sim Time: 6282.160s (+1.377e-01s), Max Depth: 0.7468810606m, Max Vel: 9.9999999990m/s, Area: 333125.0m², Vol: 54160.2m³

Step 13900/29999, Sim Time: 6295.927s (+1.377e-01s), Max Depth: 0.7466847403m, Max Vel: 9.9999999990m/s, Area: 344900.0m², Vol: 54126.6m³

Step 14000/29999, Sim Time: 6309.694s (+1.377e-01s), Max Depth: 0.7465782749m, Max Vel: 9.9999999990m/s, Area: 349175.0m², Vol: 54104.4m³

Step 14100/29999, Sim Time: 6323.460s (+1.377e-01s), Max Depth: 0.7465290025m, Max Vel: 9.9999999990m/s, Area: 355500.0m², Vol: 54085.0m³

Step 14200/29999, Sim Time: 6337.226s (+1.377e-01s), Max Depth: 0.7464947958m, Max Vel: 9.9999999990m/s, Area: 357750.0m², Vol: 54066.8m³

Step 14300/29999, Sim Time: 6350.992s (+1.377e-01s), Max Depth: 0.7464225774m, Max Vel: 9.9999999990m/s, Area: 360200.0m², Vol: 54044.4m³

Step 14400/29999, Sim Time: 6364.757s (+1.377e-01s), Max Depth: 0.7463711238m, Max Vel: 9.9999999990m/s, Area: 363700.0m², Vol: 54022.5m³

Step 14500/29999, Sim Time: 6378.522s (+1.376e-01s), Max Depth: 0.7462174543m, Max Vel: 9.9999999999m/s, Area: 365000.0m², Vol: 53995.5m³

Step 14600/29999, Sim Time: 6392.287s (+1.376e-01s), Max Depth: 0.7460838267m, Max Vel: 9.9999999990m/s, Area: 368725.0m², Vol: 53972.4m³

Step 14700/29999, Sim Time: 6406.051s (+1.376e-01s), Max Depth: 0.7458933159m, Max Vel: 9.9999999990m/s, Area: 369050.0m², Vol: 53941.6m³

Step 14800/29999, Sim Time: 6419.815s (+1.376e-01s), Max Depth: 0.7458281023m, Max Vel: 9.9999999990m/s, Area: 371925.0m², Vol: 53921.8m³

Step 14900/29999, Sim Time: 6433.578s (+1.376e-01s), Max Depth: 0.7457674108m, Max Vel: 9.9999999990m/s, Area: 371600.0m², Vol: 53904.6m³

Step 15000/29999, Sim Time: 6447.341s (+1.376e-01s), Max Depth: 0.7456191950m, Max Vel: 9.9999999995m/s, Area: 374025.0m², Vol: 53882.7m³

Step 15100/29999, Sim Time: 6461.103s (+1.376e-01s), Max Depth: 0.7455460912m, Max Vel: 9.9999999990m/s, Area: 375725.0m², Vol: 53866.2m³

Step 15200/29999, Sim Time: 6474.865s (+1.376e-01s), Max Depth: 0.7454306961m, Max Vel: 9.9999999990m/s, Area: 374725.0m², Vol: 53845.4m³

Step 15300/29999, Sim Time: 6488.626s (+1.376e-01s), Max Depth: 0.7453524339m, Max Vel: 9.9999999990m/s, Area: 377475.0m², Vol: 53828.5m³

Step 15400/29999, Sim Time: 6502.387s (+1.376e-01s), Max Depth: 0.7453136652m, Max Vel: 9.9999999990m/s, Area: 378975.0m², Vol: 53813.9m³

Step 15500/29999, Sim Time: 6516.147s (+1.376e-01s), Max Depth: 0.7452682017m, Max Vel: 9.9999999990m/s, Area: 380925.0m², Vol: 53800.0m³

Step 15600/29999, Sim Time: 6529.906s (+1.376e-01s), Max Depth: 0.7451267896m, Max Vel: 9.9999999990m/s, Area: 380650.0m², Vol: 53777.7m³

Step 15700/29999, Sim Time: 6543.665s (+1.376e-01s), Max Depth: 0.7449360332m, Max Vel: 9.9999999990m/s, Area: 381200.0m², Vol: 53753.6m³

Step 15800/29999, Sim Time: 6557.423s (+1.376e-01s), Max Depth: 0.7447945597m, Max Vel: 9.9999999993m/s, Area: 383300.0m², Vol: 53736.1m³

Step 15900/29999, Sim Time: 6571.180s (+1.376e-01s), Max Depth: 0.7446721008m, Max Vel: 9.9999999990m/s, Area: 383075.0m², Vol: 53715.4m³

Step 16000/29999, Sim Time: 6584.937s (+1.376e-01s), Max Depth: 0.7444845340m, Max Vel: 9.9999999990m/s, Area: 382825.0m², Vol: 53684.9m³

Step 16100/29999, Sim Time: 6598.693s (+1.376e-01s), Max Depth: 0.7443060276m, Max Vel: 9.9999999990m/s, Area: 383375.0m², Vol: 53664.3m³

Step 16200/29999, Sim Time: 6612.448s (+1.375e-01s), Max Depth: 0.7441412668m, Max Vel: 9.9999999990m/s, Area: 382900.0m², Vol: 53643.8m³

Step 16300/29999, Sim Time: 6626.202s (+1.375e-01s), Max Depth: 0.7441050844m, Max Vel: 9.9999999990m/s, Area: 383350.0m², Vol: 53630.1m³

Step 16400/29999, Sim Time: 6639.955s (+1.375e-01s), Max Depth: 0.7439171456m, Max Vel: 9.9999999990m/s, Area: 381875.0m², Vol: 53607.6m³

Step 16500/29999, Sim Time: 6653.708s (+1.375e-01s), Max Depth: 0.7438222477m, Max Vel: 9.9999999990m/s, Area: 382500.0m², Vol: 53593.6m³

Step 16600/29999, Sim Time: 6667.460s (+1.375e-01s), Max Depth: 0.7436839854m, Max Vel: 9.9999999990m/s, Area: 383950.0m², Vol: 53580.7m³

Step 16700/29999, Sim Time: 6681.211s (+1.375e-01s), Max Depth: 0.7436099642m, Max Vel: 9.9999999990m/s, Area: 385625.0m², Vol: 53575.7m³

Step 16800/29999, Sim Time: 6694.961s (+1.375e-01s), Max Depth: 0.7435293654m, Max Vel: 9.9999999990m/s, Area: 386000.0m², Vol: 53569.2m³

Step 16900/29999, Sim Time: 6708.710s (+1.375e-01s), Max Depth: 0.7435000068m, Max Vel: 9.9999999990m/s, Area: 388625.0m², Vol: 53565.1m³

Step 17000/29999, Sim Time: 6722.458s (+1.374e-01s), Max Depth: 0.7434511538m, Max Vel: 9.9999999990m/s, Area: 390100.0m², Vol: 53452.0m³

Step 17100/29999, Sim Time: 6736.200s (+1.374e-01s), Max Depth: 0.7434081169m, Max Vel: 9.9999999990m/s, Area: 390200.0m², Vol: 53307.5m³

Step 17200/29999, Sim Time: 6749.938s (+1.374e-01s), Max Depth: 0.7433846728m, Max Vel: 9.9999999990m/s, Area: 389875.0m², Vol: 53179.6m³

Step 17300/29999, Sim Time: 6763.670s (+1.373e-01s), Max Depth: 0.7432071272m, Max Vel: 9.9999999990m/s, Area: 393025.0m², Vol: 53015.8m³

Step 17400/29999, Sim Time: 6777.397s (+1.372e-01s), Max Depth: 0.7430193227m, Max Vel: 9.9999999990m/s, Area: 392700.0m², Vol: 52826.3m³

Step 17500/29999, Sim Time: 6791.116s (+1.372e-01s), Max Depth: 0.7429602511m, Max Vel: 9.9999999998m/s, Area: 393000.0m², Vol: 52617.7m³

Step 17600/29999, Sim Time: 6804.828s (+1.371e-01s), Max Depth: 0.7427817063m, Max Vel: 9.9999999990m/s, Area: 394325.0m², Vol: 52362.3m³

Step 17700/29999, Sim Time: 6818.532s (+1.370e-01s), Max Depth: 0.7427361326m, Max Vel: 9.9999999990m/s, Area: 395875.0m², Vol: 52093.4m³

Step 17800/29999, Sim Time: 6832.225s (+1.369e-01s), Max Depth: 0.7426801042m, Max Vel: 9.9999999990m/s, Area: 394825.0m², Vol: 51831.2m³

Step 17900/29999, Sim Time: 6845.911s (+1.368e-01s), Max Depth: 0.7425793072m, Max Vel: 9.9999999990m/s, Area: 396450.0m², Vol: 51611.6m³

Step 18000/29999, Sim Time: 6859.588s (+1.367e-01s), Max Depth: 0.7425179974m, Max Vel: 9.9999999990m/s, Area: 397000.0m², Vol: 51384.9m³

Step 18100/29999, Sim Time: 6873.257s (+1.366e-01s), Max Depth: 0.7423271008m, Max Vel: 9.9999999990m/s, Area: 399175.0m², Vol: 51147.7m³

Step 18200/29999, Sim Time: 6886.918s (+1.366e-01s), Max Depth: 0.7422571421m, Max Vel: 9.9999999990m/s, Area: 401475.0m², Vol: 50965.6m³

Step 18300/29999, Sim Time: 6900.573s (+1.365e-01s), Max Depth: 0.7420883920m, Max Vel: 9.9999999990m/s, Area: 400900.0m², Vol: 50851.8m³

Step 18400/29999, Sim Time: 6914.224s (+1.365e-01s), Max Depth: 0.7419884234m, Max Vel: 9.9999999990m/s, Area: 402450.0m², Vol: 50751.1m³

Step 18500/29999, Sim Time: 6927.870s (+1.364e-01s), Max Depth: 0.7418746208m, Max Vel: 9.9999999990m/s, Area: 402800.0m², Vol: 50630.7m³

Step 18600/29999, Sim Time: 6941.511s (+1.364e-01s), Max Depth: 0.7417875485m, Max Vel: 9.9999999990m/s, Area: 404125.0m², Vol: 50496.7m³

Step 18700/29999, Sim Time: 6955.147s (+1.363e-01s), Max Depth: 0.7416057590m, Max Vel: 9.9999999990m/s, Area: 404925.0m², Vol: 50374.7m³

Step 18800/29999, Sim Time: 6968.777s (+1.363e-01s), Max Depth: 0.7415085174m, Max Vel: 9.9999999990m/s, Area: 404725.0m², Vol: 50258.1m³

Step 18900/29999, Sim Time: 6982.403s (+1.362e-01s), Max Depth: 0.7413875831m, Max Vel: 9.9999999990m/s, Area: 407350.0m², Vol: 50150.5m³

Step 19000/29999, Sim Time: 6996.025s (+1.362e-01s), Max Depth: 0.7412146945m, Max Vel: 9.9999999990m/s, Area: 406850.0m², Vol: 50075.9m³

Step 19100/29999, Sim Time: 7009.644s (+1.362e-01s), Max Depth: 0.7411747326m, Max Vel: 9.9999999990m/s, Area: 407525.0m², Vol: 50030.2m³

Step 19200/29999, Sim Time: 7023.260s (+1.361e-01s), Max Depth: 0.7410033958m, Max Vel: 9.9999999990m/s, Area: 407375.0m², Vol: 49974.9m³

Step 19300/29999, Sim Time: 7036.873s (+1.361e-01s), Max Depth: 0.7409249085m, Max Vel: 9.9999999990m/s, Area: 407300.0m², Vol: 49925.3m³

Step 19400/29999, Sim Time: 7050.483s (+1.361e-01s), Max Depth: 0.7408412163m, Max Vel: 9.9999999990m/s, Area: 407850.0m², Vol: 49890.7m³

Step 19500/29999, Sim Time: 7064.092s (+1.361e-01s), Max Depth: 0.7407604080m, Max Vel: 9.9999999990m/s, Area: 410200.0m², Vol: 49864.1m³

Step 19600/29999, Sim Time: 7077.698s (+1.361e-01s), Max Depth: 0.7406212752m, Max Vel: 9.9999999990m/s, Area: 411725.0m², Vol: 49826.5m³

Step 19700/29999, Sim Time: 7091.302s (+1.360e-01s), Max Depth: 0.7405786113m, Max Vel: 9.9999999990m/s, Area: 411700.0m², Vol: 49781.8m³

Step 19800/29999, Sim Time: 7104.903s (+1.360e-01s), Max Depth: 0.7404346787m, Max Vel: 9.9999999990m/s, Area: 412450.0m², Vol: 49725.5m³

Step 19900/29999, Sim Time: 7118.501s (+1.360e-01s), Max Depth: 0.7403004696m, Max Vel: 9.9999999990m/s, Area: 413475.0m², Vol: 49665.2m³

Step 20000/29999, Sim Time: 7132.096s (+1.359e-01s), Max Depth: 0.7402355071m, Max Vel: 9.9999999990m/s, Area: 413575.0m², Vol: 49608.3m³

Step 20100/29999, Sim Time: 7145.689s (+1.359e-01s), Max Depth: 0.7400780863m, Max Vel: 9.9999999990m/s, Area: 414325.0m², Vol: 49550.7m³

Step 20200/29999, Sim Time: 7159.278s (+1.359e-01s), Max Depth: 0.7399272658m, Max Vel: 9.9999999990m/s, Area: 414200.0m², Vol: 49497.0m³

Step 20300/29999, Sim Time: 7172.865s (+1.359e-01s), Max Depth: 0.7397527428m, Max Vel: 9.9999999990m/s, Area: 415675.0m², Vol: 49449.2m³

Step 20400/29999, Sim Time: 7186.450s (+1.358e-01s), Max Depth: 0.7396648113m, Max Vel: 9.9999999990m/s, Area: 414000.0m², Vol: 49419.9m³

Step 20500/29999, Sim Time: 7200.033s (+1.358e-01s), Max Depth: 0.7395489675m, Max Vel: 9.9999999990m/s, Area: 415425.0m², Vol: 49400.7m³

Step 20600/29999, Sim Time: 7213.615s (+1.358e-01s), Max Depth: 0.7394625165m, Max Vel: 9.9999999999m/s, Area: 415975.0m², Vol: 49391.9m³

Step 20700/29999, Sim Time: 7227.195s (+1.358e-01s), Max Depth: 0.7393494377m, Max Vel: 9.9999999990m/s, Area: 416300.0m², Vol: 49381.8m³

Step 20800/29999, Sim Time: 7240.773s (+1.358e-01s), Max Depth: 0.7392341156m, Max Vel: 9.9999999990m/s, Area: 417500.0m², Vol: 49360.7m³

Step 20900/29999, Sim Time: 7254.350s (+1.358e-01s), Max Depth: 0.7391811613m, Max Vel: 9.9999999990m/s, Area: 418850.0m², Vol: 49342.7m³

Step 21000/29999, Sim Time: 7267.925s (+1.357e-01s), Max Depth: 0.7391511017m, Max Vel: 9.9999999990m/s, Area: 418350.0m², Vol: 49335.9m³

Step 21100/29999, Sim Time: 7281.499s (+1.357e-01s), Max Depth: 0.7391254469m, Max Vel: 9.9999999990m/s, Area: 419650.0m², Vol: 49337.5m³

Step 21200/29999, Sim Time: 7295.071s (+1.357e-01s), Max Depth: 0.7390056994m, Max Vel: 9.9999999990m/s, Area: 420800.0m², Vol: 49333.9m³

Step 21300/29999, Sim Time: 7308.642s (+1.357e-01s), Max Depth: 0.7388840745m, Max Vel: 9.9999999990m/s, Area: 422700.0m², Vol: 49331.7m³

Step 21400/29999, Sim Time: 7322.213s (+1.357e-01s), Max Depth: 0.7388517501m, Max Vel: 9.9999999990m/s, Area: 422400.0m², Vol: 49336.7m³

Step 21500/29999, Sim Time: 7335.782s (+1.357e-01s), Max Depth: 0.7386928323m, Max Vel: 9.9999999990m/s, Area: 424175.0m², Vol: 49334.5m³

Step 21600/29999, Sim Time: 7349.350s (+1.357e-01s), Max Depth: 0.7385774061m, Max Vel: 9.9999999990m/s, Area: 424525.0m², Vol: 49338.1m³

Step 21700/29999, Sim Time: 7362.917s (+1.357e-01s), Max Depth: 0.7385349668m, Max Vel: 9.9999999990m/s, Area: 425800.0m², Vol: 49343.1m³

Step 21800/29999, Sim Time: 7376.484s (+1.357e-01s), Max Depth: 0.7384970078m, Max Vel: 9.9999999990m/s, Area: 427125.0m², Vol: 49352.4m³

Step 21900/29999, Sim Time: 7390.049s (+1.357e-01s), Max Depth: 0.7383508493m, Max Vel: 9.9999999990m/s, Area: 427850.0m², Vol: 49353.2m³

Step 22000/29999, Sim Time: 7403.614s (+1.356e-01s), Max Depth: 0.7382961332m, Max Vel: 9.9999999990m/s, Area: 428650.0m², Vol: 49363.0m³

Step 22100/29999, Sim Time: 7417.178s (+1.356e-01s), Max Depth: 0.7381671555m, Max Vel: 9.9999999990m/s, Area: 430275.0m², Vol: 49367.1m³

Step 22200/29999, Sim Time: 7430.741s (+1.356e-01s), Max Depth: 0.7379994864m, Max Vel: 9.9999999990m/s, Area: 429650.0m², Vol: 49370.5m³

Step 22300/29999, Sim Time: 7444.303s (+1.356e-01s), Max Depth: 0.7379430515m, Max Vel: 9.9999999990m/s, Area: 430925.0m², Vol: 49383.2m³

Step 22400/29999, Sim Time: 7457.864s (+1.356e-01s), Max Depth: 0.7378128695m, Max Vel: 9.9999999990m/s, Area: 431825.0m², Vol: 49393.2m³

Step 22500/29999, Sim Time: 7471.425s (+1.356e-01s), Max Depth: 0.7377502756m, Max Vel: 9.9999999990m/s, Area: 434275.0m², Vol: 49404.4m³

Step 22600/29999, Sim Time: 7484.985s (+1.356e-01s), Max Depth: 0.7376289994m, Max Vel: 9.9999999990m/s, Area: 433500.0m², Vol: 49406.2m³

Step 22700/29999, Sim Time: 7498.544s (+1.356e-01s), Max Depth: 0.7375820313m, Max Vel: 9.9999999990m/s, Area: 433950.0m², Vol: 49420.1m³

Step 22800/29999, Sim Time: 7512.103s (+1.356e-01s), Max Depth: 0.7375225421m, Max Vel: 9.9999999990m/s, Area: 435800.0m², Vol: 49428.4m³

Step 22900/29999, Sim Time: 7525.660s (+1.356e-01s), Max Depth: 0.7374003036m, Max Vel: 9.9999999990m/s, Area: 436025.0m², Vol: 49439.8m³

Step 23000/29999, Sim Time: 7539.218s (+1.356e-01s), Max Depth: 0.7373675799m, Max Vel: 9.9999999990m/s, Area: 434900.0m², Vol: 49460.7m³

Step 23100/29999, Sim Time: 7552.774s (+1.356e-01s), Max Depth: 0.7371756622m, Max Vel: 9.9999999990m/s, Area: 434525.0m², Vol: 49469.4m³

Step 23200/29999, Sim Time: 7566.330s (+1.356e-01s), Max Depth: 0.7370558623m, Max Vel: 9.9999999990m/s, Area: 438100.0m², Vol: 49486.8m³

Step 23300/29999, Sim Time: 7579.886s (+1.356e-01s), Max Depth: 0.7370246172m, Max Vel: 9.9999999990m/s, Area: 437825.0m², Vol: 49504.7m³

Step 23400/29999, Sim Time: 7593.440s (+1.355e-01s), Max Depth: 0.7368721095m, Max Vel: 9.9999999990m/s, Area: 439550.0m², Vol: 49501.4m³

Step 23500/29999, Sim Time: 7606.995s (+1.355e-01s), Max Depth: 0.7367913033m, Max Vel: 9.9999999990m/s, Area: 441250.0m², Vol: 49526.2m³

Step 23600/29999, Sim Time: 7620.548s (+1.355e-01s), Max Depth: 0.7367296343m, Max Vel: 9.9999999990m/s, Area: 441200.0m², Vol: 49526.4m³

Step 23700/29999, Sim Time: 7634.101s (+1.355e-01s), Max Depth: 0.7365821525m, Max Vel: 9.9999999990m/s, Area: 439975.0m², Vol: 49526.2m³

Step 23800/29999, Sim Time: 7647.652s (+1.355e-01s), Max Depth: 0.7365333618m, Max Vel: 9.9999999990m/s, Area: 440425.0m², Vol: 49523.8m³

Step 23900/29999, Sim Time: 7661.202s (+1.355e-01s), Max Depth: 0.7363362559m, Max Vel: 9.9999999990m/s, Area: 442400.0m², Vol: 49507.3m³

Step 24000/29999, Sim Time: 7674.752s (+1.355e-01s), Max Depth: 0.7362187567m, Max Vel: 9.9999999990m/s, Area: 441650.0m², Vol: 49529.7m³

Step 24100/29999, Sim Time: 7688.301s (+1.355e-01s), Max Depth: 0.7361578877m, Max Vel: 9.9999999990m/s, Area: 440950.0m², Vol: 49540.7m³

Step 24200/29999, Sim Time: 7701.849s (+1.355e-01s), Max Depth: 0.7360754106m, Max Vel: 9.9999999990m/s, Area: 443050.0m², Vol: 49544.5m³

Step 24300/29999, Sim Time: 7715.397s (+1.355e-01s), Max Depth: 0.7360378242m, Max Vel: 9.9999999990m/s, Area: 443650.0m², Vol: 49568.3m³

Step 24400/29999, Sim Time: 7728.944s (+1.355e-01s), Max Depth: 0.7360041601m, Max Vel: 9.9999999990m/s, Area: 443275.0m², Vol: 49597.0m³

Step 24500/29999, Sim Time: 7742.491s (+1.355e-01s), Max Depth: 0.7359438040m, Max Vel: 9.9999999990m/s, Area: 444025.0m², Vol: 49631.8m³

Step 24600/29999, Sim Time: 7756.038s (+1.355e-01s), Max Depth: 0.7358049740m, Max Vel: 9.9999999990m/s, Area: 444175.0m², Vol: 49642.8m³

Step 24700/29999, Sim Time: 7769.584s (+1.355e-01s), Max Depth: 0.7356176559m, Max Vel: 9.9999999990m/s, Area: 444375.0m², Vol: 49649.2m³

Step 24800/29999, Sim Time: 7783.130s (+1.355e-01s), Max Depth: 0.7354366511m, Max Vel: 9.9999999990m/s, Area: 445000.0m², Vol: 49669.1m³

Step 24900/29999, Sim Time: 7796.675s (+1.355e-01s), Max Depth: 0.7352612532m, Max Vel: 9.9999999990m/s, Area: 446725.0m², Vol: 49682.2m³

Step 25000/29999, Sim Time: 7810.220s (+1.354e-01s), Max Depth: 0.7351106937m, Max Vel: 9.9999999990m/s, Area: 447325.0m², Vol: 49696.2m³

Step 25100/29999, Sim Time: 7823.765s (+1.354e-01s), Max Depth: 0.7350561752m, Max Vel: 9.9999999990m/s, Area: 448050.0m², Vol: 49716.0m³

Step 25200/29999, Sim Time: 7837.309s (+1.354e-01s), Max Depth: 0.7350037407m, Max Vel: 9.9999999990m/s, Area: 449925.0m², Vol: 49730.2m³

Step 25300/29999, Sim Time: 7850.852s (+1.354e-01s), Max Depth: 0.7348589825m, Max Vel: 9.9999999990m/s, Area: 448525.0m², Vol: 49733.7m³

Step 25400/29999, Sim Time: 7864.394s (+1.354e-01s), Max Depth: 0.7348044300m, Max Vel: 9.9999999990m/s, Area: 448850.0m², Vol: 49733.5m³

Step 25500/29999, Sim Time: 7877.935s (+1.354e-01s), Max Depth: 0.7346750808m, Max Vel: 9.9999999990m/s, Area: 447625.0m², Vol: 49718.8m³

Step 25600/29999, Sim Time: 7891.473s (+1.354e-01s), Max Depth: 0.7346414471m, Max Vel: 9.9999999990m/s, Area: 449000.0m², Vol: 49699.4m³

Step 25700/29999, Sim Time: 7905.010s (+1.354e-01s), Max Depth: 0.7344775836m, Max Vel: 9.9999999990m/s, Area: 450825.0m², Vol: 49666.2m³

Step 25800/29999, Sim Time: 7918.545s (+1.353e-01s), Max Depth: 0.7343794436m, Max Vel: 9.9999999990m/s, Area: 450575.0m², Vol: 49634.7m³

Step 25900/29999, Sim Time: 7932.077s (+1.353e-01s), Max Depth: 0.7342465428m, Max Vel: 9.9999999990m/s, Area: 451425.0m², Vol: 49597.2m³

Step 26000/29999, Sim Time: 7945.607s (+1.353e-01s), Max Depth: 0.7341865887m, Max Vel: 9.9999999990m/s, Area: 452925.0m², Vol: 49571.5m³

Step 26100/29999, Sim Time: 7959.134s (+1.353e-01s), Max Depth: 0.7341319617m, Max Vel: 9.9999999990m/s, Area: 453325.0m², Vol: 49564.6m³

Step 26200/29999, Sim Time: 7972.660s (+1.352e-01s), Max Depth: 0.7340161135m, Max Vel: 9.9999999990m/s, Area: 453450.0m², Vol: 49536.3m³

Step 26300/29999, Sim Time: 7986.183s (+1.352e-01s), Max Depth: 0.7338792122m, Max Vel: 9.9999999990m/s, Area: 454325.0m², Vol: 49523.7m³

Step 26400/29999, Sim Time: 7999.704s (+1.352e-01s), Max Depth: 0.7338027539m, Max Vel: 9.9999999990m/s, Area: 454075.0m², Vol: 49530.9m³

Step 26500/29999, Sim Time: 8013.224s (+1.352e-01s), Max Depth: 0.7337680724m, Max Vel: 9.9999999990m/s, Area: 454475.0m², Vol: 49530.3m³

Step 26600/29999, Sim Time: 8026.741s (+1.352e-01s), Max Depth: 0.7335760986m, Max Vel: 9.9999999990m/s, Area: 456875.0m², Vol: 49528.5m³

Step 26700/29999, Sim Time: 8040.257s (+1.352e-01s), Max Depth: 0.7334227854m, Max Vel: 9.9999999990m/s, Area: 455625.0m², Vol: 49532.0m³

Step 26800/29999, Sim Time: 8053.771s (+1.351e-01s), Max Depth: 0.7333876797m, Max Vel: 9.9999999990m/s, Area: 455075.0m², Vol: 49533.7m³

Step 26900/29999, Sim Time: 8067.283s (+1.351e-01s), Max Depth: 0.7332910766m, Max Vel: 9.9999999990m/s, Area: 455400.0m², Vol: 49501.0m³

Step 27000/29999, Sim Time: 8080.792s (+1.351e-01s), Max Depth: 0.7332620983m, Max Vel: 9.9999999990m/s, Area: 456375.0m², Vol: 49446.6m³

Step 27100/29999, Sim Time: 8094.297s (+1.350e-01s), Max Depth: 0.7331720302m, Max Vel: 9.9999999990m/s, Area: 457625.0m², Vol: 49414.7m³

Step 27200/29999, Sim Time: 8107.799s (+1.350e-01s), Max Depth: 0.7330489178m, Max Vel: 9.9999999990m/s, Area: 456875.0m², Vol: 49373.7m³

Step 27300/29999, Sim Time: 8121.298s (+1.350e-01s), Max Depth: 0.7329725937m, Max Vel: 9.9999999990m/s, Area: 458475.0m², Vol: 49331.9m³

Step 27400/29999, Sim Time: 8134.793s (+1.349e-01s), Max Depth: 0.7328748425m, Max Vel: 9.9999999990m/s, Area: 458675.0m², Vol: 49281.6m³

Step 27500/29999, Sim Time: 8148.284s (+1.349e-01s), Max Depth: 0.7327562521m, Max Vel: 9.9999999990m/s, Area: 458800.0m², Vol: 49106.9m³

Step 27600/29999, Sim Time: 8161.765s (+1.348e-01s), Max Depth: 0.7325577714m, Max Vel: 9.9999999990m/s, Area: 458925.0m², Vol: 48904.1m³

Step 27700/29999, Sim Time: 8175.239s (+1.347e-01s), Max Depth: 0.7325356556m, Max Vel: 9.9999999990m/s, Area: 457650.0m², Vol: 48715.2m³

Step 27800/29999, Sim Time: 8188.703s (+1.346e-01s), Max Depth: 0.7324936839m, Max Vel: 9.9999999990m/s, Area: 458100.0m², Vol: 48497.5m³

Step 27900/29999, Sim Time: 8202.157s (+1.345e-01s), Max Depth: 0.7322993359m, Max Vel: 9.9999999990m/s, Area: 459200.0m², Vol: 48220.8m³

Step 28000/29999, Sim Time: 8215.601s (+1.344e-01s), Max Depth: 0.7321954995m, Max Vel: 9.9999999990m/s, Area: 460025.0m², Vol: 48030.2m³

Step 28100/29999, Sim Time: 8229.036s (+1.343e-01s), Max Depth: 0.7321643245m, Max Vel: 9.9999999990m/s, Area: 459850.0m², Vol: 47904.4m³

Step 28200/29999, Sim Time: 8242.465s (+1.342e-01s), Max Depth: 0.7320993742m, Max Vel: 9.9999999990m/s, Area: 460350.0m², Vol: 47742.5m³

Step 28300/29999, Sim Time: 8255.885s (+1.342e-01s), Max Depth: 0.7319065873m, Max Vel: 9.9999999990m/s, Area: 462475.0m², Vol: 47559.4m³

Step 28400/29999, Sim Time: 8269.297s (+1.341e-01s), Max Depth: 0.7317993549m, Max Vel: 9.9999999990m/s, Area: 462000.0m², Vol: 47451.3m³

Step 28500/29999, Sim Time: 8282.704s (+1.341e-01s), Max Depth: 0.7316638758m, Max Vel: 9.9999999990m/s, Area: 461550.0m², Vol: 47431.9m³

Step 28600/29999, Sim Time: 8296.108s (+1.340e-01s), Max Depth: 0.7314831845m, Max Vel: 9.9999999990m/s, Area: 461325.0m², Vol: 47410.9m³

Step 28700/29999, Sim Time: 8309.509s (+1.340e-01s), Max Depth: 0.7313300542m, Max Vel: 9.9999999990m/s, Area: 460625.0m², Vol: 47371.0m³

Step 28800/29999, Sim Time: 8322.906s (+1.340e-01s), Max Depth: 0.7312537075m, Max Vel: 9.9999999990m/s, Area: 462850.0m², Vol: 47354.8m³

Step 28900/29999, Sim Time: 8336.300s (+1.339e-01s), Max Depth: 0.7311069097m, Max Vel: 9.9999999990m/s, Area: 462975.0m², Vol: 47342.8m³

Step 29000/29999, Sim Time: 8349.691s (+1.339e-01s), Max Depth: 0.7310312996m, Max Vel: 9.9999999990m/s, Area: 462950.0m², Vol: 47317.1m³

Step 29100/29999, Sim Time: 8363.080s (+1.339e-01s), Max Depth: 0.7308487571m, Max Vel: 9.9999999990m/s, Area: 463525.0m², Vol: 47280.1m³

Step 29200/29999, Sim Time: 8376.464s (+1.338e-01s), Max Depth: 0.7308046764m, Max Vel: 9.9999999999m/s, Area: 464425.0m², Vol: 47219.9m³

Step 29300/29999, Sim Time: 8389.845s (+1.338e-01s), Max Depth: 0.7307245430m, Max Vel: 9.9999999990m/s, Area: 465650.0m², Vol: 47166.3m³

Step 29400/29999, Sim Time: 8403.221s (+1.337e-01s), Max Depth: 0.7306623352m, Max Vel: 9.9999999990m/s, Area: 465375.0m², Vol: 47122.1m³

Step 29500/29999, Sim Time: 8416.595s (+1.337e-01s), Max Depth: 0.7306281814m, Max Vel: 9.9999999990m/s, Area: 465350.0m², Vol: 47088.2m³

Step 29600/29999, Sim Time: 8429.964s (+1.337e-01s), Max Depth: 0.7305203149m, Max Vel: 9.9999999990m/s, Area: 466475.0m², Vol: 47042.9m³

Step 29700/29999, Sim Time: 8443.331s (+1.336e-01s), Max Depth: 0.7304569320m, Max Vel: 9.9999999990m/s, Area: 466975.0m², Vol: 46994.9m³

Step 29800/29999, Sim Time: 8456.693s (+1.336e-01s), Max Depth: 0.7302893473m, Max Vel: 9.9999999990m/s, Area: 468325.0m², Vol: 46939.7m³

Step 29900/29999, Sim Time: 8470.053s (+1.336e-01s), Max Depth: 0.7302454992m, Max Vel: 9.9999999990m/s, Area: 468425.0m², Vol: 46938.5m³

Step 29999/29999, Sim Time: 8483.277s (+1.336e-01s), Max Depth: 0.7300766362m, Max Vel: 9.9999999993m/s, Area: 468425.0m², Vol: 46936.6m³

Simulation finished 30000 steps in 243.28 seconds (wall clock).

Final Maximum Flood Extent Area: 976475.00 m²

Peak Recorded Water Depth Anywhere: 1.406 m

Phase 2 max depth: 0.730 m, steady state max depth: 0.734 m, rate of increase: -0.000000 m/s

--- Visualizing Combined River (P1) + WSE Contour Breach (P2) Results ---

Using DEM contour thresholds for WSE viz: [np.float64(19.998315827761544), np.float64(20.565404887957524), np.float64(21.1324939481535), np.float64(21.699583008349478), np.float64(22.266672068545454), np.float64(22.833761128741433), np.float64(23.400850188937408), np.float64(23.967939249133387), np.float64(24.535028309329363), np.float64(25.10211736952534)]

Saving animation to result\_source1\_5\_rain6\_09375.mp4 (using ffmpeg)...

Animation saved.

Final frame saved to result\_source1\_5\_rain6\_09375\_final\_frame.png

Visualization finished.

--- Two-Phase River + WSE Contour Breach Test Finished ---

python flood\_simulation\_driver.py --run-twophase-test --phase1-steps 20000 --phase2-steps 30000 --rain-rate 8.984375 --output-freq 100 -o result\_source1\_5\_rain8\_984375.mp4 --save --source-row 50 --source-col 1 --source-rate 1.5

--- Starting Two-Phase River + Rainfall Test (Combined Output, Custom Viz) ---

--- Running Phase 1 for Two-Phase Test: Establishing River Flow ---

Generating DEM for Phase 1...

Generating natural river DEM...

Adding terrain noise...

Applying final smoothing...

Natural river DEM created.

Final DEM Elevation range: 20.00 to 25.10

Initializing Phase 1 sim with outlet\_percentile=5.0.

Generated boundary mask: 946 wall cells, 50 potential outlet cells identified.

Initial dt guess: 0.0707 s

--- Running Phase 1 Simulation for 20000 steps ---

Step 0/19999, Sim Time: 0.106s (+1.060e-01s), Max Depth: 0.2119873110m, Max Vel: 0.0000000000m/s, Area: 25.0m², Vol: 5.3m³

Step 100/19999, Sim Time: 64.077s (+8.004e-01s), Max Depth: 0.2597141130m, Max Vel: 0.5811788908m/s, Area: 1000.0m², Vol: 98.4m³

Step 200/19999, Sim Time: 159.673s (+1.053e+00s), Max Depth: 0.1709328576m, Max Vel: 0.3652084574m/s, Area: 2125.0m², Vol: 184.4m³

Step 300/19999, Sim Time: 265.860s (+1.074e+00s), Max Depth: 0.1746705831m, Max Vel: 0.3257429471m/s, Area: 3400.0m², Vol: 282.5m³

Step 400/19999, Sim Time: 371.997s (+1.045e+00s), Max Depth: 0.1802231625m, Max Vel: 0.3405344994m/s, Area: 4350.0m², Vol: 385.8m³

Step 500/19999, Sim Time: 476.782s (+1.036e+00s), Max Depth: 0.1910812156m, Max Vel: 0.3217763543m/s, Area: 5475.0m², Vol: 503.2m³

Step 600/19999, Sim Time: 577.607s (+9.871e-01s), Max Depth: 0.2067413589m, Max Vel: 0.3492858854m/s, Area: 6300.0m², Vol: 632.8m³

Step 700/19999, Sim Time: 675.052s (+9.654e-01s), Max Depth: 0.2147943389m, Max Vel: 0.3612527269m/s, Area: 7325.0m², Vol: 758.3m³

Step 800/19999, Sim Time: 771.326s (+9.615e-01s), Max Depth: 0.2176690977m, Max Vel: 0.3587653168m/s, Area: 8300.0m², Vol: 884.5m³

Step 900/19999, Sim Time: 867.603s (+9.642e-01s), Max Depth: 0.2181425161m, Max Vel: 0.3520372652m/s, Area: 9200.0m², Vol: 1016.0m³

Step 1000/19999, Sim Time: 964.176s (+9.659e-01s), Max Depth: 0.2176355701m, Max Vel: 0.3505775108m/s, Area: 10325.0m², Vol: 1153.0m³

Step 1100/19999, Sim Time: 1060.760s (+9.534e-01s), Max Depth: 0.2170977179m, Max Vel: 0.3743132384m/s, Area: 11450.0m², Vol: 1293.3m³

Step 1200/19999, Sim Time: 1155.204s (+9.348e-01s), Max Depth: 0.2205068273m, Max Vel: 0.4013918960m/s, Area: 12600.0m², Vol: 1433.2m³

Step 1300/19999, Sim Time: 1247.890s (+9.224e-01s), Max Depth: 0.2237983278m, Max Vel: 0.4154804665m/s, Area: 13400.0m², Vol: 1569.5m³

Step 1400/19999, Sim Time: 1340.616s (+9.318e-01s), Max Depth: 0.2253471230m, Max Vel: 0.3911293275m/s, Area: 14225.0m², Vol: 1693.7m³

Step 1500/19999, Sim Time: 1433.827s (+9.183e-01s), Max Depth: 0.2347150831m, Max Vel: 0.3884551856m/s, Area: 15250.0m², Vol: 1801.0m³

Step 1600/19999, Sim Time: 1523.734s (+8.835e-01s), Max Depth: 0.2484727293m, Max Vel: 0.4196037220m/s, Area: 16175.0m², Vol: 1913.9m³

Step 1700/19999, Sim Time: 1611.492s (+8.739e-01s), Max Depth: 0.2579902478m, Max Vel: 0.4117215248m/s, Area: 17025.0m², Vol: 2030.2m³

Step 1800/19999, Sim Time: 1699.144s (+8.802e-01s), Max Depth: 0.2643400677m, Max Vel: 0.3777967802m/s, Area: 17875.0m², Vol: 2158.0m³

Step 1900/19999, Sim Time: 1787.242s (+8.822e-01s), Max Depth: 0.2690956176m, Max Vel: 0.3589942641m/s, Area: 19100.0m², Vol: 2296.5m³

Step 2000/19999, Sim Time: 1874.338s (+8.635e-01s), Max Depth: 0.2722201745m, Max Vel: 0.3918456945m/s, Area: 20225.0m², Vol: 2450.6m³

Step 2100/19999, Sim Time: 1960.628s (+8.519e-01s), Max Depth: 0.2739780451m, Max Vel: 0.4081844441m/s, Area: 21400.0m², Vol: 2611.6m³

Step 2200/19999, Sim Time: 2046.386s (+8.584e-01s), Max Depth: 0.2747129155m, Max Vel: 0.3967688765m/s, Area: 22400.0m², Vol: 2782.2m³

Step 2300/19999, Sim Time: 2130.901s (+8.386e-01s), Max Depth: 0.2746797423m, Max Vel: 0.4456647926m/s, Area: 23625.0m², Vol: 2953.2m³

Step 2400/19999, Sim Time: 2214.559s (+8.392e-01s), Max Depth: 0.2742090230m, Max Vel: 0.4445373182m/s, Area: 24725.0m², Vol: 3134.0m³

Step 2500/19999, Sim Time: 2299.498s (+8.568e-01s), Max Depth: 0.2734828131m, Max Vel: 0.4055632075m/s, Area: 25850.0m², Vol: 3334.5m³

Step 2600/19999, Sim Time: 2384.716s (+8.467e-01s), Max Depth: 0.2803962605m, Max Vel: 0.4087375125m/s, Area: 26950.0m², Vol: 3549.7m³

Step 2700/19999, Sim Time: 2467.599s (+8.096e-01s), Max Depth: 0.3025797149m, Max Vel: 0.4338134501m/s, Area: 28250.0m², Vol: 3770.7m³

Step 2800/19999, Sim Time: 2547.529s (+7.892e-01s), Max Depth: 0.3196907096m, Max Vel: 0.4469806603m/s, Area: 29650.0m², Vol: 3999.5m³

Step 2900/19999, Sim Time: 2625.768s (+7.788e-01s), Max Depth: 0.3303555327m, Max Vel: 0.4471332848m/s, Area: 30900.0m², Vol: 4236.5m³

Step 3000/19999, Sim Time: 2703.264s (+7.721e-01s), Max Depth: 0.3374031308m, Max Vel: 0.4474247706m/s, Area: 32125.0m², Vol: 4481.0m³

Step 3100/19999, Sim Time: 2780.317s (+7.693e-01s), Max Depth: 0.3426772065m, Max Vel: 0.4412521887m/s, Area: 33325.0m², Vol: 4735.2m³

Step 3200/19999, Sim Time: 2857.211s (+7.687e-01s), Max Depth: 0.3476379938m, Max Vel: 0.4299422227m/s, Area: 34725.0m², Vol: 5001.1m³

Step 3300/19999, Sim Time: 2932.884s (+7.467e-01s), Max Depth: 0.3521020336m, Max Vel: 0.4775318323m/s, Area: 36075.0m², Vol: 5272.9m³

Step 3400/19999, Sim Time: 3007.487s (+7.434e-01s), Max Depth: 0.3561837772m, Max Vel: 0.4850125648m/s, Area: 37350.0m², Vol: 5545.0m³

Step 3500/19999, Sim Time: 3081.558s (+7.399e-01s), Max Depth: 0.3600001855m, Max Vel: 0.4861972900m/s, Area: 38650.0m², Vol: 5827.8m³

Step 3600/19999, Sim Time: 3155.377s (+7.378e-01s), Max Depth: 0.3635513893m, Max Vel: 0.4833212994m/s, Area: 40225.0m², Vol: 6125.6m³

Step 3700/19999, Sim Time: 3229.234s (+7.387e-01s), Max Depth: 0.3665146094m, Max Vel: 0.4731704642m/s, Area: 41750.0m², Vol: 6431.2m³

Step 3800/19999, Sim Time: 3302.852s (+7.364e-01s), Max Depth: 0.3693271297m, Max Vel: 0.4728303405m/s, Area: 43200.0m², Vol: 6751.0m³

Step 3900/19999, Sim Time: 3375.903s (+7.302e-01s), Max Depth: 0.3718540870m, Max Vel: 0.4859574129m/s, Area: 44750.0m², Vol: 7083.8m³

Step 4000/19999, Sim Time: 3448.560s (+7.249e-01s), Max Depth: 0.3741861528m, Max Vel: 0.4981654944m/s, Area: 45900.0m², Vol: 7436.1m³

Step 4100/19999, Sim Time: 3520.903s (+7.236e-01s), Max Depth: 0.3763862877m, Max Vel: 0.4966960726m/s, Area: 47400.0m², Vol: 7794.2m³

Step 4200/19999, Sim Time: 3593.477s (+7.277e-01s), Max Depth: 0.3782970041m, Max Vel: 0.4783880939m/s, Area: 49000.0m², Vol: 8150.7m³

Step 4300/19999, Sim Time: 3665.900s (+7.187e-01s), Max Depth: 0.3798678096m, Max Vel: 0.5066486707m/s, Area: 50750.0m², Vol: 8515.8m³

Step 4400/19999, Sim Time: 3737.276s (+7.073e-01s), Max Depth: 0.3813345759m, Max Vel: 0.5404832194m/s, Area: 52300.0m², Vol: 8902.0m³

Step 4500/19999, Sim Time: 3807.842s (+7.058e-01s), Max Depth: 0.3824214128m, Max Vel: 0.5426442349m/s, Area: 53975.0m², Vol: 9292.8m³

Step 4600/19999, Sim Time: 3878.532s (+7.076e-01s), Max Depth: 0.3893015703m, Max Vel: 0.5188344673m/s, Area: 55750.0m², Vol: 9697.3m³

Step 4700/19999, Sim Time: 3949.146s (+7.045e-01s), Max Depth: 0.3978554687m, Max Vel: 0.5085271656m/s, Area: 57350.0m², Vol: 10116.9m³

Step 4800/19999, Sim Time: 4019.540s (+7.038e-01s), Max Depth: 0.4044508854m, Max Vel: 0.4947424301m/s, Area: 58950.0m², Vol: 10554.4m³

Step 4900/19999, Sim Time: 4089.546s (+6.990e-01s), Max Depth: 0.4106421722m, Max Vel: 0.4970008611m/s, Area: 60700.0m², Vol: 11000.0m³

Step 5000/19999, Sim Time: 4159.270s (+6.951e-01s), Max Depth: 0.4160452922m, Max Vel: 0.4974216634m/s, Area: 62550.0m², Vol: 11467.5m³

Step 5100/19999, Sim Time: 4228.601s (+6.919e-01s), Max Depth: 0.4206952011m, Max Vel: 0.4977205523m/s, Area: 64350.0m², Vol: 11949.5m³

Step 5200/19999, Sim Time: 4297.135s (+6.876e-01s), Max Depth: 0.4267157234m, Max Vel: 0.4998158026m/s, Area: 66000.0m², Vol: 12444.2m³

Step 5300/19999, Sim Time: 4365.713s (+6.794e-01s), Max Depth: 0.4324782006m, Max Vel: 0.5190165950m/s, Area: 67725.0m², Vol: 12955.2m³

Step 5400/19999, Sim Time: 4432.758s (+6.656e-01s), Max Depth: 0.4381236842m, Max Vel: 0.5560909131m/s, Area: 69800.0m², Vol: 13478.6m³

Step 5500/19999, Sim Time: 4498.733s (+6.523e-01s), Max Depth: 0.4433199597m, Max Vel: 0.6022011021m/s, Area: 71675.0m², Vol: 14017.7m³

Step 5600/19999, Sim Time: 4564.212s (+6.532e-01s), Max Depth: 0.4481104117m, Max Vel: 0.5825409977m/s, Area: 73375.0m², Vol: 14575.5m³

Step 5700/19999, Sim Time: 4629.313s (+6.493e-01s), Max Depth: 0.4524609463m, Max Vel: 0.5884059917m/s, Area: 75175.0m², Vol: 15147.7m³

Step 5800/19999, Sim Time: 4694.179s (+6.486e-01s), Max Depth: 0.4563034724m, Max Vel: 0.5822972571m/s, Area: 77000.0m², Vol: 15736.3m³

Step 5900/19999, Sim Time: 4759.062s (+6.490e-01s), Max Depth: 0.4595093476m, Max Vel: 0.5731548352m/s, Area: 78900.0m², Vol: 16331.5m³

Step 6000/19999, Sim Time: 4823.919s (+6.496e-01s), Max Depth: 0.4619809653m, Max Vel: 0.5650150445m/s, Area: 80650.0m², Vol: 16942.3m³

Step 6100/19999, Sim Time: 4888.720s (+6.429e-01s), Max Depth: 0.4648876959m, Max Vel: 0.5856460079m/s, Area: 82700.0m², Vol: 17559.0m³

Step 6200/19999, Sim Time: 4952.958s (+6.396e-01s), Max Depth: 0.4683343738m, Max Vel: 0.5929344853m/s, Area: 84950.0m², Vol: 18185.0m³

Step 6300/19999, Sim Time: 5016.729s (+6.365e-01s), Max Depth: 0.4713652242m, Max Vel: 0.5989401184m/s, Area: 86775.0m², Vol: 18813.1m³

Step 6400/19999, Sim Time: 5080.315s (+6.354e-01s), Max Depth: 0.4751863376m, Max Vel: 0.5950777108m/s, Area: 88900.0m², Vol: 19457.7m³

Step 6500/19999, Sim Time: 5143.717s (+6.329e-01s), Max Depth: 0.4865308793m, Max Vel: 0.5804781739m/s, Area: 91050.0m², Vol: 20111.0m³

Step 6600/19999, Sim Time: 5206.778s (+6.326e-01s), Max Depth: 0.4962743434m, Max Vel: 0.5597698310m/s, Area: 93225.0m², Vol: 20784.0m³

Step 6700/19999, Sim Time: 5269.686s (+6.267e-01s), Max Depth: 0.5047020836m, Max Vel: 0.5673149015m/s, Area: 95275.0m², Vol: 21479.1m³

Step 6800/19999, Sim Time: 5331.599s (+6.117e-01s), Max Depth: 0.5116486714m, Max Vel: 0.6233042419m/s, Area: 97550.0m², Vol: 22169.1m³

Step 6900/19999, Sim Time: 5392.148s (+6.001e-01s), Max Depth: 0.5181144139m, Max Vel: 0.6620492694m/s, Area: 99800.0m², Vol: 22858.0m³

Step 7000/19999, Sim Time: 5452.051s (+5.986e-01s), Max Depth: 0.5241570280m, Max Vel: 0.6561762728m/s, Area: 102000.0m², Vol: 23551.2m³

Step 7100/19999, Sim Time: 5511.861s (+5.981e-01s), Max Depth: 0.5297107344m, Max Vel: 0.6464530952m/s, Area: 103975.0m², Vol: 24262.0m³

Step 7200/19999, Sim Time: 5571.504s (+5.954e-01s), Max Depth: 0.5348100614m, Max Vel: 0.6481609293m/s, Area: 106200.0m², Vol: 24979.0m³

Step 7300/19999, Sim Time: 5630.938s (+5.934e-01s), Max Depth: 0.5393639514m, Max Vel: 0.6489496753m/s, Area: 108300.0m², Vol: 25715.6m³

Step 7400/19999, Sim Time: 5690.219s (+5.943e-01s), Max Depth: 0.5434049017m, Max Vel: 0.6354882081m/s, Area: 110375.0m², Vol: 26465.4m³

Step 7500/19999, Sim Time: 5749.745s (+5.954e-01s), Max Depth: 0.5469867616m, Max Vel: 0.6226245404m/s, Area: 112500.0m², Vol: 27246.9m³

Step 7600/19999, Sim Time: 5808.996s (+5.843e-01s), Max Depth: 0.5502212615m, Max Vel: 0.6778589039m/s, Area: 114750.0m², Vol: 28046.6m³

Step 7700/19999, Sim Time: 5867.230s (+5.825e-01s), Max Depth: 0.5529904963m, Max Vel: 0.6753573500m/s, Area: 116750.0m², Vol: 28857.5m³

Step 7800/19999, Sim Time: 5925.357s (+5.823e-01s), Max Depth: 0.5553596599m, Max Vel: 0.6707206066m/s, Area: 119125.0m², Vol: 29666.4m³

Step 7900/19999, Sim Time: 5983.772s (+5.853e-01s), Max Depth: 0.5574920350m, Max Vel: 0.6513363627m/s, Area: 120975.0m², Vol: 30438.3m³

Step 8000/19999, Sim Time: 6042.334s (+5.857e-01s), Max Depth: 0.5594957976m, Max Vel: 0.6452232986m/s, Area: 122075.0m², Vol: 31064.7m³

Step 8100/19999, Sim Time: 6100.935s (+5.864e-01s), Max Depth: 0.5614594540m, Max Vel: 0.6374797347m/s, Area: 123125.0m², Vol: 31610.6m³

Step 8200/19999, Sim Time: 6159.573s (+5.865e-01s), Max Depth: 0.5634061275m, Max Vel: 0.6329828800m/s, Area: 123700.0m², Vol: 32113.2m³

Step 8300/19999, Sim Time: 6218.243s (+5.874e-01s), Max Depth: 0.5653177623m, Max Vel: 0.6243576772m/s, Area: 124275.0m², Vol: 32573.4m³

Step 8400/19999, Sim Time: 6277.057s (+5.888e-01s), Max Depth: 0.5670875164m, Max Vel: 0.6134688465m/s, Area: 124950.0m², Vol: 32999.9m³

Step 8500/19999, Sim Time: 6335.984s (+5.898e-01s), Max Depth: 0.5687954134m, Max Vel: 0.6050292658m/s, Area: 125350.0m², Vol: 33424.8m³

Step 8600/19999, Sim Time: 6395.065s (+5.924e-01s), Max Depth: 0.5703726312m, Max Vel: 0.5881687326m/s, Area: 125825.0m², Vol: 33859.8m³

Step 8700/19999, Sim Time: 6454.320s (+5.910e-01s), Max Depth: 0.5813931895m, Max Vel: 0.5731015812m/s, Area: 126175.0m², Vol: 34258.3m³

Step 8800/19999, Sim Time: 6513.215s (+5.871e-01s), Max Depth: 0.5925583594m, Max Vel: 0.5697403946m/s, Area: 126450.0m², Vol: 34638.4m³

Step 8900/19999, Sim Time: 6571.754s (+5.833e-01s), Max Depth: 0.6033154601m, Max Vel: 0.5674959745m/s, Area: 126750.0m², Vol: 34981.7m³

Step 9000/19999, Sim Time: 6629.847s (+5.785e-01s), Max Depth: 0.6135231937m, Max Vel: 0.5719768359m/s, Area: 127000.0m², Vol: 35289.3m³

Step 9100/19999, Sim Time: 6687.509s (+5.752e-01s), Max Depth: 0.6218374399m, Max Vel: 0.5729111827m/s, Area: 127350.0m², Vol: 35593.2m³

Step 9200/19999, Sim Time: 6744.996s (+5.756e-01s), Max Depth: 0.6291041631m, Max Vel: 0.5559102549m/s, Area: 127650.0m², Vol: 35940.0m³

Step 9300/19999, Sim Time: 6802.673s (+5.760e-01s), Max Depth: 0.6376405189m, Max Vel: 0.5371936168m/s, Area: 127875.0m², Vol: 36285.8m³

Step 9400/19999, Sim Time: 6860.047s (+5.713e-01s), Max Depth: 0.6510311983m, Max Vel: 0.5361946251m/s, Area: 128350.0m², Vol: 36590.3m³

Step 9500/19999, Sim Time: 6916.737s (+5.624e-01s), Max Depth: 0.6765902375m, Max Vel: 0.5357134469m/s, Area: 128825.0m², Vol: 36894.7m³

Step 9600/19999, Sim Time: 6972.690s (+5.573e-01s), Max Depth: 0.6918089534m, Max Vel: 0.5350289180m/s, Area: 129050.0m², Vol: 37175.5m³

Step 9700/19999, Sim Time: 7028.274s (+5.543e-01s), Max Depth: 0.7014509382m, Max Vel: 0.5338974841m/s, Area: 129200.0m², Vol: 37419.8m³

Step 9800/19999, Sim Time: 7083.559s (+5.516e-01s), Max Depth: 0.7105199338m, Max Vel: 0.5326518925m/s, Area: 129425.0m², Vol: 37645.0m³

Step 9900/19999, Sim Time: 7138.638s (+5.503e-01s), Max Depth: 0.7152159302m, Max Vel: 0.5315190688m/s, Area: 129650.0m², Vol: 37845.8m³

Step 10000/19999, Sim Time: 7193.646s (+5.500e-01s), Max Depth: 0.7167995083m, Max Vel: 0.5300101690m/s, Area: 129775.0m², Vol: 38013.4m³

Step 10100/19999, Sim Time: 7248.589s (+5.485e-01s), Max Depth: 0.7165896109m, Max Vel: 0.5392740960m/s, Area: 129800.0m², Vol: 38149.9m³

Step 10200/19999, Sim Time: 7303.355s (+5.469e-01s), Max Depth: 0.7160152500m, Max Vel: 0.5494001844m/s, Area: 129850.0m², Vol: 38262.0m³

Step 10300/19999, Sim Time: 7357.993s (+5.459e-01s), Max Depth: 0.7157701821m, Max Vel: 0.5561096687m/s, Area: 129950.0m², Vol: 38358.7m³

Step 10400/19999, Sim Time: 7412.538s (+5.451e-01s), Max Depth: 0.7157616758m, Max Vel: 0.5606516900m/s, Area: 129975.0m², Vol: 38443.3m³

Step 10500/19999, Sim Time: 7467.019s (+5.446e-01s), Max Depth: 0.7158696895m, Max Vel: 0.5635703188m/s, Area: 130100.0m², Vol: 38517.7m³

Step 10600/19999, Sim Time: 7521.455s (+5.442e-01s), Max Depth: 0.7160692554m, Max Vel: 0.5652445171m/s, Area: 130100.0m², Vol: 38584.7m³

Step 10700/19999, Sim Time: 7575.867s (+5.440e-01s), Max Depth: 0.7163924546m, Max Vel: 0.5656846076m/s, Area: 130150.0m², Vol: 38645.6m³

Step 10800/19999, Sim Time: 7630.268s (+5.440e-01s), Max Depth: 0.7168377914m, Max Vel: 0.5650162014m/s, Area: 130200.0m², Vol: 38702.4m³

Step 10900/19999, Sim Time: 7684.673s (+5.441e-01s), Max Depth: 0.7174574735m, Max Vel: 0.5632862144m/s, Area: 130225.0m², Vol: 38756.7m³

Step 11000/19999, Sim Time: 7739.096s (+5.444e-01s), Max Depth: 0.7181769325m, Max Vel: 0.5604469272m/s, Area: 130250.0m², Vol: 38809.6m³

Step 11100/19999, Sim Time: 7793.553s (+5.448e-01s), Max Depth: 0.7191055965m, Max Vel: 0.5560240283m/s, Area: 130300.0m², Vol: 38863.8m³

Step 11200/19999, Sim Time: 7848.071s (+5.456e-01s), Max Depth: 0.7201351717m, Max Vel: 0.5494945987m/s, Area: 130375.0m², Vol: 38921.7m³

Step 11300/19999, Sim Time: 7902.666s (+5.462e-01s), Max Depth: 0.7211973526m, Max Vel: 0.5439293823m/s, Area: 130425.0m², Vol: 38985.4m³

Step 11400/19999, Sim Time: 7957.329s (+5.472e-01s), Max Depth: 0.7222314060m, Max Vel: 0.5363814328m/s, Area: 130550.0m², Vol: 39063.0m³

Step 11500/19999, Sim Time: 8012.131s (+5.487e-01s), Max Depth: 0.7236280493m, Max Vel: 0.5251999512m/s, Area: 130600.0m², Vol: 39166.2m³

Step 11600/19999, Sim Time: 8066.977s (+5.476e-01s), Max Depth: 0.7272399828m, Max Vel: 0.5251827955m/s, Area: 130650.0m², Vol: 39274.9m³

Step 11700/19999, Sim Time: 8121.642s (+5.460e-01s), Max Depth: 0.7320576338m, Max Vel: 0.5251355899m/s, Area: 130700.0m², Vol: 39364.6m³

Step 11800/19999, Sim Time: 8176.233s (+5.460e-01s), Max Depth: 0.7321931047m, Max Vel: 0.5249906110m/s, Area: 130750.0m², Vol: 39434.6m³

Step 11900/19999, Sim Time: 8230.848s (+5.463e-01s), Max Depth: 0.7313994803m, Max Vel: 0.5246367081m/s, Area: 130825.0m², Vol: 39485.6m³

Step 12000/19999, Sim Time: 8285.497s (+5.466e-01s), Max Depth: 0.7306647416m, Max Vel: 0.5240507296m/s, Area: 130925.0m², Vol: 39524.5m³

Step 12100/19999, Sim Time: 8340.176s (+5.469e-01s), Max Depth: 0.7302184282m, Max Vel: 0.5234847713m/s, Area: 130950.0m², Vol: 39556.8m³

Step 12200/19999, Sim Time: 8394.866s (+5.469e-01s), Max Depth: 0.7304259419m, Max Vel: 0.5230622435m/s, Area: 130950.0m², Vol: 39585.5m³

Step 12300/19999, Sim Time: 8449.551s (+5.468e-01s), Max Depth: 0.7308103340m, Max Vel: 0.5229182518m/s, Area: 131050.0m², Vol: 39611.8m³

Step 12400/19999, Sim Time: 8504.226s (+5.467e-01s), Max Depth: 0.7310268231m, Max Vel: 0.5229530757m/s, Area: 131125.0m², Vol: 39636.5m³

Step 12500/19999, Sim Time: 8558.893s (+5.466e-01s), Max Depth: 0.7312660134m, Max Vel: 0.5231176506m/s, Area: 131175.0m², Vol: 39659.0m³

Step 12600/19999, Sim Time: 8613.550s (+5.465e-01s), Max Depth: 0.7315205268m, Max Vel: 0.5232323074m/s, Area: 131175.0m², Vol: 39679.7m³

Step 12700/19999, Sim Time: 8668.197s (+5.464e-01s), Max Depth: 0.7317729094m, Max Vel: 0.5233448534m/s, Area: 131175.0m², Vol: 39698.6m³

Step 12800/19999, Sim Time: 8722.835s (+5.463e-01s), Max Depth: 0.7320082659m, Max Vel: 0.5234308020m/s, Area: 131150.0m², Vol: 39716.1m³

Step 12900/19999, Sim Time: 8777.462s (+5.462e-01s), Max Depth: 0.7322162320m, Max Vel: 0.5237447849m/s, Area: 131125.0m², Vol: 39732.1m³

Step 13000/19999, Sim Time: 8832.079s (+5.461e-01s), Max Depth: 0.7323954093m, Max Vel: 0.5240504101m/s, Area: 131125.0m², Vol: 39746.9m³

Step 13100/19999, Sim Time: 8886.684s (+5.460e-01s), Max Depth: 0.7325720907m, Max Vel: 0.5243799290m/s, Area: 131175.0m², Vol: 39760.6m³

Step 13200/19999, Sim Time: 8941.278s (+5.459e-01s), Max Depth: 0.7327589228m, Max Vel: 0.5246634547m/s, Area: 131125.0m², Vol: 39773.1m³

Step 13300/19999, Sim Time: 8995.862s (+5.458e-01s), Max Depth: 0.7329468822m, Max Vel: 0.5249176701m/s, Area: 131150.0m², Vol: 39784.5m³

Step 13400/19999, Sim Time: 9050.436s (+5.457e-01s), Max Depth: 0.7331386463m, Max Vel: 0.5251409320m/s, Area: 131150.0m², Vol: 39795.0m³

Step 13500/19999, Sim Time: 9105.000s (+5.456e-01s), Max Depth: 0.7333288963m, Max Vel: 0.5253601018m/s, Area: 131175.0m², Vol: 39804.6m³

Step 13600/19999, Sim Time: 9159.555s (+5.455e-01s), Max Depth: 0.7335145720m, Max Vel: 0.5255363454m/s, Area: 131225.0m², Vol: 39813.4m³

Step 13700/19999, Sim Time: 9214.102s (+5.454e-01s), Max Depth: 0.7336908140m, Max Vel: 0.5257006147m/s, Area: 131225.0m², Vol: 39821.5m³

Step 13800/19999, Sim Time: 9268.640s (+5.453e-01s), Max Depth: 0.7338570261m, Max Vel: 0.5258458728m/s, Area: 131225.0m², Vol: 39828.8m³

Step 13900/19999, Sim Time: 9323.171s (+5.453e-01s), Max Depth: 0.7340109054m, Max Vel: 0.5259789036m/s, Area: 131250.0m², Vol: 39835.5m³

Step 14000/19999, Sim Time: 9377.696s (+5.452e-01s), Max Depth: 0.7341511111m, Max Vel: 0.5261046720m/s, Area: 131225.0m², Vol: 39841.5m³

Step 14100/19999, Sim Time: 9432.214s (+5.452e-01s), Max Depth: 0.7342763134m, Max Vel: 0.5262251210m/s, Area: 131225.0m², Vol: 39846.7m³

Step 14200/19999, Sim Time: 9486.726s (+5.451e-01s), Max Depth: 0.7343860500m, Max Vel: 0.5263412973m/s, Area: 131200.0m², Vol: 39851.0m³

Step 14300/19999, Sim Time: 9541.234s (+5.451e-01s), Max Depth: 0.7344799753m, Max Vel: 0.5264537784m/s, Area: 131200.0m², Vol: 39854.6m³

Step 14400/19999, Sim Time: 9595.737s (+5.450e-01s), Max Depth: 0.7345582412m, Max Vel: 0.5265645786m/s, Area: 131175.0m², Vol: 39857.5m³

Step 14500/19999, Sim Time: 9650.235s (+5.450e-01s), Max Depth: 0.7346208019m, Max Vel: 0.5266720585m/s, Area: 131250.0m², Vol: 39860.0m³

Step 14600/19999, Sim Time: 9704.731s (+5.449e-01s), Max Depth: 0.7346676399m, Max Vel: 0.5267751614m/s, Area: 131250.0m², Vol: 39862.0m³

Step 14700/19999, Sim Time: 9759.223s (+5.449e-01s), Max Depth: 0.7346991609m, Max Vel: 0.5268738362m/s, Area: 131225.0m², Vol: 39863.2m³

Step 14800/19999, Sim Time: 9813.713s (+5.449e-01s), Max Depth: 0.7347153894m, Max Vel: 0.5269701007m/s, Area: 131225.0m², Vol: 39863.6m³

Step 14900/19999, Sim Time: 9868.201s (+5.449e-01s), Max Depth: 0.7347170440m, Max Vel: 0.5270681306m/s, Area: 131200.0m², Vol: 39863.2m³

Step 15000/19999, Sim Time: 9922.688s (+5.449e-01s), Max Depth: 0.7347047102m, Max Vel: 0.5271641974m/s, Area: 131200.0m², Vol: 39862.0m³

Step 15100/19999, Sim Time: 9977.173s (+5.449e-01s), Max Depth: 0.7346792162m, Max Vel: 0.5272572373m/s, Area: 131175.0m², Vol: 39860.2m³

Step 15200/19999, Sim Time: 10031.658s (+5.448e-01s), Max Depth: 0.7346413349m, Max Vel: 0.5273456727m/s, Area: 131150.0m², Vol: 39857.6m³

Step 15300/19999, Sim Time: 10086.143s (+5.449e-01s), Max Depth: 0.7345920370m, Max Vel: 0.5274276848m/s, Area: 131150.0m², Vol: 39854.2m³

Step 15400/19999, Sim Time: 10140.628s (+5.448e-01s), Max Depth: 0.7345334755m, Max Vel: 0.5275401809m/s, Area: 131150.0m², Vol: 39850.2m³

Step 15500/19999, Sim Time: 10195.114s (+5.449e-01s), Max Depth: 0.7344650468m, Max Vel: 0.5276077084m/s, Area: 131075.0m², Vol: 39845.5m³

Step 15600/19999, Sim Time: 10249.600s (+5.449e-01s), Max Depth: 0.7343923135m, Max Vel: 0.5276914948m/s, Area: 131075.0m², Vol: 39839.8m³

Step 15700/19999, Sim Time: 10304.088s (+5.449e-01s), Max Depth: 0.7343114964m, Max Vel: 0.5277534893m/s, Area: 131075.0m², Vol: 39833.6m³

Step 15800/19999, Sim Time: 10358.577s (+5.449e-01s), Max Depth: 0.7342258320m, Max Vel: 0.5278107110m/s, Area: 131075.0m², Vol: 39827.2m³

Step 15900/19999, Sim Time: 10413.067s (+5.449e-01s), Max Depth: 0.7341380417m, Max Vel: 0.5278550987m/s, Area: 131075.0m², Vol: 39820.5m³

Step 16000/19999, Sim Time: 10467.560s (+5.449e-01s), Max Depth: 0.7340493547m, Max Vel: 0.5278911984m/s, Area: 131025.0m², Vol: 39813.5m³

Step 16100/19999, Sim Time: 10522.056s (+5.450e-01s), Max Depth: 0.7339598700m, Max Vel: 0.5278831623m/s, Area: 131050.0m², Vol: 39806.4m³

Step 16200/19999, Sim Time: 10576.554s (+5.450e-01s), Max Depth: 0.7338709110m, Max Vel: 0.5279038295m/s, Area: 131025.0m², Vol: 39799.3m³

Step 16300/19999, Sim Time: 10631.054s (+5.450e-01s), Max Depth: 0.7337824824m, Max Vel: 0.5278886818m/s, Area: 131025.0m², Vol: 39792.3m³

Step 16400/19999, Sim Time: 10685.558s (+5.450e-01s), Max Depth: 0.7336999146m, Max Vel: 0.5278804745m/s, Area: 131025.0m², Vol: 39785.4m³

Step 16500/19999, Sim Time: 10740.065s (+5.451e-01s), Max Depth: 0.7336200841m, Max Vel: 0.5278609444m/s, Area: 131000.0m², Vol: 39778.5m³

Step 16600/19999, Sim Time: 10794.574s (+5.451e-01s), Max Depth: 0.7335439567m, Max Vel: 0.5278361613m/s, Area: 131000.0m², Vol: 39771.8m³

Step 16700/19999, Sim Time: 10849.086s (+5.451e-01s), Max Depth: 0.7334721459m, Max Vel: 0.5278032690m/s, Area: 130975.0m², Vol: 39765.2m³

Step 16800/19999, Sim Time: 10903.600s (+5.452e-01s), Max Depth: 0.7334056741m, Max Vel: 0.5277629852m/s, Area: 130925.0m², Vol: 39758.5m³

Step 16900/19999, Sim Time: 10958.118s (+5.452e-01s), Max Depth: 0.7333445111m, Max Vel: 0.5277161132m/s, Area: 130900.0m², Vol: 39752.0m³

Step 17000/19999, Sim Time: 11012.638s (+5.452e-01s), Max Depth: 0.7332885087m, Max Vel: 0.5276640350m/s, Area: 130900.0m², Vol: 39745.6m³

Step 17100/19999, Sim Time: 11067.161s (+5.452e-01s), Max Depth: 0.7332381278m, Max Vel: 0.5276075713m/s, Area: 130875.0m², Vol: 39739.5m³

Step 17200/19999, Sim Time: 11121.686s (+5.453e-01s), Max Depth: 0.7331935315m, Max Vel: 0.5275467166m/s, Area: 130875.0m², Vol: 39733.7m³

Step 17300/19999, Sim Time: 11176.214s (+5.453e-01s), Max Depth: 0.7331547366m, Max Vel: 0.5274823492m/s, Area: 130850.0m², Vol: 39728.0m³

Step 17400/19999, Sim Time: 11230.743s (+5.453e-01s), Max Depth: 0.7331216959m, Max Vel: 0.5274136917m/s, Area: 130850.0m², Vol: 39722.6m³

Step 17500/19999, Sim Time: 11285.275s (+5.453e-01s), Max Depth: 0.7330944685m, Max Vel: 0.5273436834m/s, Area: 130825.0m², Vol: 39717.6m³

Step 17600/19999, Sim Time: 11339.809s (+5.453e-01s), Max Depth: 0.7330732153m, Max Vel: 0.5272724118m/s, Area: 130825.0m², Vol: 39713.1m³

Step 17700/19999, Sim Time: 11394.345s (+5.454e-01s), Max Depth: 0.7330579789m, Max Vel: 0.5272009707m/s, Area: 130825.0m², Vol: 39709.2m³

Step 17800/19999, Sim Time: 11448.882s (+5.454e-01s), Max Depth: 0.7330487354m, Max Vel: 0.5271298444m/s, Area: 130825.0m², Vol: 39705.8m³

Step 17900/19999, Sim Time: 11503.421s (+5.454e-01s), Max Depth: 0.7330453786m, Max Vel: 0.5270591586m/s, Area: 130825.0m², Vol: 39703.0m³

Step 18000/19999, Sim Time: 11557.961s (+5.454e-01s), Max Depth: 0.7330476896m, Max Vel: 0.5269888434m/s, Area: 130800.0m², Vol: 39700.7m³

Step 18100/19999, Sim Time: 11612.501s (+5.454e-01s), Max Depth: 0.7330554154m, Max Vel: 0.5269192678m/s, Area: 130750.0m², Vol: 39698.6m³

Step 18200/19999, Sim Time: 11667.043s (+5.454e-01s), Max Depth: 0.7330682594m, Max Vel: 0.5268502993m/s, Area: 130750.0m², Vol: 39696.8m³

Step 18300/19999, Sim Time: 11721.586s (+5.454e-01s), Max Depth: 0.7330858821m, Max Vel: 0.5267821920m/s, Area: 130700.0m², Vol: 39695.3m³

Step 18400/19999, Sim Time: 11776.129s (+5.454e-01s), Max Depth: 0.7331079071m, Max Vel: 0.5267146805m/s, Area: 130675.0m², Vol: 39694.0m³

Step 18500/19999, Sim Time: 11830.672s (+5.454e-01s), Max Depth: 0.7331339285m, Max Vel: 0.5266481213m/s, Area: 130600.0m², Vol: 39692.7m³

Step 18600/19999, Sim Time: 11885.216s (+5.454e-01s), Max Depth: 0.7331635920m, Max Vel: 0.5265826513m/s, Area: 130625.0m², Vol: 39691.7m³

Step 18700/19999, Sim Time: 11939.759s (+5.454e-01s), Max Depth: 0.7331965316m, Max Vel: 0.5265184073m/s, Area: 130625.0m², Vol: 39691.0m³

Step 18800/19999, Sim Time: 11994.303s (+5.454e-01s), Max Depth: 0.7332322565m, Max Vel: 0.5264522446m/s, Area: 130625.0m², Vol: 39690.7m³

Step 18900/19999, Sim Time: 12048.847s (+5.454e-01s), Max Depth: 0.7332700467m, Max Vel: 0.5263863480m/s, Area: 130600.0m², Vol: 39690.7m³

Step 19000/19999, Sim Time: 12103.391s (+5.454e-01s), Max Depth: 0.7333098494m, Max Vel: 0.5263215649m/s, Area: 130650.0m², Vol: 39691.1m³

Step 19100/19999, Sim Time: 12157.934s (+5.454e-01s), Max Depth: 0.7333514688m, Max Vel: 0.5262590183m/s, Area: 130650.0m², Vol: 39691.9m³

Step 19200/19999, Sim Time: 12212.477s (+5.454e-01s), Max Depth: 0.7333946851m, Max Vel: 0.5261992596m/s, Area: 130625.0m², Vol: 39693.0m³

Step 19300/19999, Sim Time: 12267.020s (+5.454e-01s), Max Depth: 0.7334392710m, Max Vel: 0.5261424209m/s, Area: 130675.0m², Vol: 39694.6m³

Step 19400/19999, Sim Time: 12321.563s (+5.454e-01s), Max Depth: 0.7334849470m, Max Vel: 0.5260885293m/s, Area: 130725.0m², Vol: 39696.6m³

Step 19500/19999, Sim Time: 12376.104s (+5.454e-01s), Max Depth: 0.7335314523m, Max Vel: 0.5260375832m/s, Area: 130775.0m², Vol: 39699.3m³

Step 19600/19999, Sim Time: 12430.646s (+5.454e-01s), Max Depth: 0.7335785129m, Max Vel: 0.5259895917m/s, Area: 130800.0m², Vol: 39702.7m³

Step 19700/19999, Sim Time: 12485.186s (+5.454e-01s), Max Depth: 0.7336258598m, Max Vel: 0.5259445568m/s, Area: 130825.0m², Vol: 39706.5m³

Step 19800/19999, Sim Time: 12539.726s (+5.454e-01s), Max Depth: 0.7336732337m, Max Vel: 0.5259024719m/s, Area: 130800.0m², Vol: 39710.6m³

Step 19900/19999, Sim Time: 12594.265s (+5.454e-01s), Max Depth: 0.7337203824m, Max Vel: 0.5258633370m/s, Area: 130825.0m², Vol: 39714.9m³

Step 19999/19999, Sim Time: 12648.258s (+5.454e-01s), Max Depth: 0.7337666009m, Max Vel: 0.5258274906m/s, Area: 130825.0m², Vol: 39719.5m³

Simulation finished 20000 steps in 175.08 seconds (wall clock).

Final Maximum Flood Extent Area: 134625.00 m²

Peak Recorded Water Depth Anywhere: 0.735 m

Phase 1 simulation complete. Final sim time: 12648.26s

End of Phase 1 at Sim Time: 12648.26s. Stored steady\_state\_h.

--- Starting Phase 2: Rainfall & WSE Monitoring (30000 steps) ---

Added rainfall: rate=2.4956597222222224e-06 m/s, duration=30000 steps

Added rainfall for Phase 2: 8.984375 mm/hr

Step 0/29999, Sim Time: 0.545s (+5.454e-01s), Max Depth: 0.7337683844m, Max Vel: 0.5258271432m/s, Area: 130825.0m², Vol: 39720.9m³

Step 100/29999, Sim Time: 55.017s (+5.386e-01s), Max Depth: 0.7339372533m, Max Vel: 0.5682897725m/s, Area: 130850.0m², Vol: 39865.1m³

Step 200/29999, Sim Time: 106.677s (+4.800e-01s), Max Depth: 0.8464747462m, Max Vel: 0.7711837783m/s, Area: 130875.0m², Vol: 40001.2m³

Step 300/29999, Sim Time: 151.362s (+4.261e-01s), Max Depth: 1.0055631792m, Max Vel: 0.9676371123m/s, Area: 130925.0m², Vol: 40120.5m³

Step 400/29999, Sim Time: 196.590s (+5.086e-01s), Max Depth: 0.7343738898m, Max Vel: 0.7570807427m/s, Area: 131025.0m², Vol: 40245.3m³

Step 500/29999, Sim Time: 226.960s (+1.380e-01s), Max Depth: 0.7344648653m, Max Vel: 9.9999999993m/s, Area: 131150.0m², Vol: 40330.4m³

Step 600/29999, Sim Time: 257.189s (+1.380e-01s), Max Depth: 0.7345530407m, Max Vel: 9.9999999990m/s, Area: 131250.0m², Vol: 40417.4m³

Step 700/29999, Sim Time: 270.986s (+1.380e-01s), Max Depth: 0.7345922768m, Max Vel: 9.9999999990m/s, Area: 131350.0m², Vol: 40456.3m³

Step 800/29999, Sim Time: 284.782s (+1.380e-01s), Max Depth: 0.7346307803m, Max Vel: 9.9999999990m/s, Area: 131375.0m², Vol: 40495.2m³

Step 900/29999, Sim Time: 298.578s (+1.380e-01s), Max Depth: 0.7346685540m, Max Vel: 9.9999999990m/s, Area: 131450.0m², Vol: 40534.4m³

Step 1000/29999, Sim Time: 312.375s (+1.380e-01s), Max Depth: 0.7347055682m, Max Vel: 9.9999999990m/s, Area: 131525.0m², Vol: 40573.4m³

Step 1100/29999, Sim Time: 326.171s (+1.380e-01s), Max Depth: 0.7347417634m, Max Vel: 9.9999999990m/s, Area: 131600.0m², Vol: 40612.8m³

Step 1200/29999, Sim Time: 339.967s (+1.380e-01s), Max Depth: 0.7347771368m, Max Vel: 9.9999999990m/s, Area: 131625.0m², Vol: 40652.6m³

Step 1300/29999, Sim Time: 353.763s (+1.380e-01s), Max Depth: 0.7348116443m, Max Vel: 9.9999999990m/s, Area: 131675.0m², Vol: 40693.1m³

Step 1400/29999, Sim Time: 367.559s (+1.380e-01s), Max Depth: 0.7348451892m, Max Vel: 9.9999999990m/s, Area: 131675.0m², Vol: 40732.5m³

Step 1500/29999, Sim Time: 381.355s (+1.380e-01s), Max Depth: 0.7348777284m, Max Vel: 9.9999999990m/s, Area: 131725.0m², Vol: 40770.8m³

Step 1600/29999, Sim Time: 395.151s (+1.380e-01s), Max Depth: 0.7349092798m, Max Vel: 9.9999999990m/s, Area: 131800.0m², Vol: 40809.3m³

Step 1700/29999, Sim Time: 408.946s (+1.380e-01s), Max Depth: 0.7349398415m, Max Vel: 9.9999999990m/s, Area: 131875.0m², Vol: 40848.2m³

Step 1800/29999, Sim Time: 422.742s (+1.380e-01s), Max Depth: 0.7349693870m, Max Vel: 9.9999999990m/s, Area: 131950.0m², Vol: 40887.5m³

Step 1900/29999, Sim Time: 436.538s (+1.380e-01s), Max Depth: 0.7349978962m, Max Vel: 9.9999999990m/s, Area: 132000.0m², Vol: 40927.2m³

Step 2000/29999, Sim Time: 450.333s (+1.380e-01s), Max Depth: 0.7350253411m, Max Vel: 9.9999999990m/s, Area: 132000.0m², Vol: 40967.0m³

Step 2100/29999, Sim Time: 464.129s (+1.380e-01s), Max Depth: 0.7350517079m, Max Vel: 9.9999999990m/s, Area: 132100.0m², Vol: 41006.6m³

Step 2200/29999, Sim Time: 477.924s (+1.380e-01s), Max Depth: 0.7350769816m, Max Vel: 9.9999999990m/s, Area: 132175.0m², Vol: 41045.9m³

Step 2300/29999, Sim Time: 491.720s (+1.380e-01s), Max Depth: 0.7351011343m, Max Vel: 9.9999999990m/s, Area: 132250.0m², Vol: 41084.4m³

Step 2400/29999, Sim Time: 505.515s (+1.380e-01s), Max Depth: 0.7351241417m, Max Vel: 9.9999999990m/s, Area: 132300.0m², Vol: 41122.8m³

Step 2500/29999, Sim Time: 519.310s (+1.380e-01s), Max Depth: 0.7351459996m, Max Vel: 9.9999999990m/s, Area: 132500.0m², Vol: 41160.5m³

Step 2600/29999, Sim Time: 533.106s (+1.380e-01s), Max Depth: 0.7351667043m, Max Vel: 9.9999999990m/s, Area: 132550.0m², Vol: 41198.0m³

Step 2700/29999, Sim Time: 546.901s (+1.380e-01s), Max Depth: 0.7351862451m, Max Vel: 9.9999999990m/s, Area: 132525.0m², Vol: 41234.8m³

Step 2800/29999, Sim Time: 560.696s (+1.380e-01s), Max Depth: 0.7352046132m, Max Vel: 9.9999999990m/s, Area: 132575.0m², Vol: 41271.7m³

Step 2900/29999, Sim Time: 574.491s (+1.380e-01s), Max Depth: 0.7352218034m, Max Vel: 9.9999999990m/s, Area: 132675.0m², Vol: 41308.3m³

Step 3000/29999, Sim Time: 588.286s (+1.380e-01s), Max Depth: 0.7352378115m, Max Vel: 9.9999999990m/s, Area: 132650.0m², Vol: 41344.8m³

Step 3100/29999, Sim Time: 602.081s (+1.380e-01s), Max Depth: 0.7352526324m, Max Vel: 9.9999999990m/s, Area: 132650.0m², Vol: 41380.2m³

Step 3200/29999, Sim Time: 615.876s (+1.380e-01s), Max Depth: 0.7352662690m, Max Vel: 9.9999999990m/s, Area: 132675.0m², Vol: 41415.4m³

Step 3300/29999, Sim Time: 629.672s (+1.380e-01s), Max Depth: 0.7352787439m, Max Vel: 9.9999999991m/s, Area: 132625.0m², Vol: 41452.1m³

Step 3400/29999, Sim Time: 644.311s (+1.380e-01s), Max Depth: 0.7352911917m, Max Vel: 9.9999999990m/s, Area: 132750.0m², Vol: 41496.1m³

Step 3500/29999, Sim Time: 682.134s (+5.181e-01s), Max Depth: 0.7353193369m, Max Vel: 0.6936635244m/s, Area: 132800.0m², Vol: 41594.8m³

Step 3600/29999, Sim Time: 733.995s (+5.194e-01s), Max Depth: 0.7353390307m, Max Vel: 0.6831118738m/s, Area: 132800.0m², Vol: 41725.5m³

Step 3700/29999, Sim Time: 785.869s (+5.176e-01s), Max Depth: 0.7353444097m, Max Vel: 0.6952581742m/s, Area: 132850.0m², Vol: 41860.6m³

Step 3800/29999, Sim Time: 837.542s (+5.162e-01s), Max Depth: 0.7353349187m, Max Vel: 0.7044574687m/s, Area: 133125.0m², Vol: 41995.3m³

Step 3900/29999, Sim Time: 889.153s (+5.159e-01s), Max Depth: 0.7353114335m, Max Vel: 0.7062980840m/s, Area: 133175.0m², Vol: 42128.8m³

Step 4000/29999, Sim Time: 939.033s (+2.998e-01s), Max Depth: 0.7352766275m, Max Vel: 3.3162300905m/s, Area: 133400.0m², Vol: 42257.7m³

Step 4100/29999, Sim Time: 956.089s (+1.380e-01s), Max Depth: 0.7352623351m, Max Vel: 9.9999999990m/s, Area: 133400.0m², Vol: 42302.0m³

Step 4200/29999, Sim Time: 969.884s (+1.380e-01s), Max Depth: 0.7352498513m, Max Vel: 9.9999999990m/s, Area: 133400.0m², Vol: 42337.8m³

Step 4300/29999, Sim Time: 1010.974s (+5.142e-01s), Max Depth: 0.7352077506m, Max Vel: 0.7179449985m/s, Area: 133275.0m², Vol: 42444.7m³

Step 4400/29999, Sim Time: 1062.349s (+5.133e-01s), Max Depth: 0.7351464659m, Max Vel: 0.7235929067m/s, Area: 133350.0m², Vol: 42578.7m³

Step 4500/29999, Sim Time: 1113.658s (+5.128e-01s), Max Depth: 0.7350763988m, Max Vel: 0.7273688787m/s, Area: 133425.0m², Vol: 42713.3m³

Step 4600/29999, Sim Time: 1164.923s (+5.125e-01s), Max Depth: 0.7349987305m, Max Vel: 0.7296724369m/s, Area: 133575.0m², Vol: 42849.0m³

Step 4700/29999, Sim Time: 1216.150s (+5.121e-01s), Max Depth: 0.7349146602m, Max Vel: 0.7325288542m/s, Area: 133725.0m², Vol: 42985.9m³

Step 4800/29999, Sim Time: 1267.334s (+5.117e-01s), Max Depth: 0.7348254151m, Max Vel: 0.7353659542m/s, Area: 133775.0m², Vol: 43124.2m³

Step 4900/29999, Sim Time: 1318.478s (+5.108e-01s), Max Depth: 0.7347332380m, Max Vel: 0.7411405735m/s, Area: 133800.0m², Vol: 43263.2m³

Step 5000/29999, Sim Time: 1369.542s (+5.105e-01s), Max Depth: 0.7346397486m, Max Vel: 0.7436384074m/s, Area: 133825.0m², Vol: 43402.3m³

Step 5100/29999, Sim Time: 1411.246s (+1.380e-01s), Max Depth: 0.7345615355m, Max Vel: 9.9999999997m/s, Area: 134000.0m², Vol: 43516.6m³

Step 5200/29999, Sim Time: 1440.858s (+5.122e-01s), Max Depth: 0.7345047766m, Max Vel: 0.7341851368m/s, Area: 134100.0m², Vol: 43603.5m³

Step 5300/29999, Sim Time: 1491.975s (+5.118e-01s), Max Depth: 0.7344051826m, Max Vel: 0.7341394544m/s, Area: 134225.0m², Vol: 43741.8m³

Step 5400/29999, Sim Time: 1513.172s (+1.380e-01s), Max Depth: 0.7343631680m, Max Vel: 9.9999999996m/s, Area: 134250.0m², Vol: 43803.5m³

Step 5500/29999, Sim Time: 1562.059s (+5.136e-01s), Max Depth: 0.7342699461m, Max Vel: 0.7235082259m/s, Area: 134400.0m², Vol: 43940.1m³

Step 5600/29999, Sim Time: 1613.529s (+5.162e-01s), Max Depth: 0.7341683166m, Max Vel: 0.7059836419m/s, Area: 134450.0m², Vol: 44080.4m³

Step 5700/29999, Sim Time: 1665.244s (+5.175e-01s), Max Depth: 0.7340620528m, Max Vel: 0.6981103131m/s, Area: 134675.0m², Vol: 44223.0m³

Step 5800/29999, Sim Time: 1717.072s (+5.187e-01s), Max Depth: 0.7339510141m, Max Vel: 0.6902509378m/s, Area: 134775.0m², Vol: 44367.8m³

Step 5900/29999, Sim Time: 1769.002s (+5.196e-01s), Max Depth: 0.7338356280m, Max Vel: 0.6846512945m/s, Area: 134825.0m², Vol: 44513.7m³

Step 6000/29999, Sim Time: 1820.999s (+5.204e-01s), Max Depth: 0.7337174937m, Max Vel: 0.6798909261m/s, Area: 134875.0m², Vol: 44660.4m³

Step 6100/29999, Sim Time: 1873.051s (+5.206e-01s), Max Depth: 0.7335971695m, Max Vel: 0.6788341523m/s, Area: 135000.0m², Vol: 44807.8m³

Step 6200/29999, Sim Time: 1925.108s (+5.208e-01s), Max Depth: 0.7334754356m, Max Vel: 0.6774240310m/s, Area: 135100.0m², Vol: 44955.6m³

Step 6300/29999, Sim Time: 1977.277s (+5.223e-01s), Max Depth: 0.7333533577m, Max Vel: 0.6681234434m/s, Area: 135100.0m², Vol: 45104.3m³

Step 6400/29999, Sim Time: 2029.566s (+5.231e-01s), Max Depth: 0.7332318495m, Max Vel: 0.6637222105m/s, Area: 135250.0m², Vol: 45254.0m³

Step 6500/29999, Sim Time: 2081.907s (+5.237e-01s), Max Depth: 0.7331117503m, Max Vel: 0.6599787815m/s, Area: 135375.0m², Vol: 45404.4m³

Step 6600/29999, Sim Time: 2134.331s (+5.248e-01s), Max Depth: 0.7329937885m, Max Vel: 0.6532784696m/s, Area: 135525.0m², Vol: 45555.7m³

Step 6700/29999, Sim Time: 2186.867s (+5.258e-01s), Max Depth: 0.7328785405m, Max Vel: 0.6465664386m/s, Area: 135675.0m², Vol: 45708.1m³

Step 6800/29999, Sim Time: 2239.499s (+5.267e-01s), Max Depth: 0.7327665396m, Max Vel: 0.6413630884m/s, Area: 135800.0m², Vol: 45862.3m³

Step 6900/29999, Sim Time: 2292.209s (+5.274e-01s), Max Depth: 0.7326583274m, Max Vel: 0.6369191754m/s, Area: 135900.0m², Vol: 46018.3m³

Step 7000/29999, Sim Time: 2316.858s (+1.454e-01s), Max Depth: 0.7326092483m, Max Vel: 9.4108529700m/s, Area: 135950.0m², Vol: 46091.8m³

Step 7100/29999, Sim Time: 2330.695s (+1.380e-01s), Max Depth: 0.7325821199m, Max Vel: 9.9999999990m/s, Area: 135975.0m², Vol: 46133.1m³

Step 7200/29999, Sim Time: 2344.496s (+1.380e-01s), Max Depth: 0.7325553811m, Max Vel: 9.9999999990m/s, Area: 136050.0m², Vol: 46176.1m³

Step 7300/29999, Sim Time: 2384.154s (+5.279e-01s), Max Depth: 0.7324805148m, Max Vel: 0.6337928705m/s, Area: 136050.0m², Vol: 46298.8m³

Step 7400/29999, Sim Time: 2417.646s (+1.380e-01s), Max Depth: 0.7324194254m, Max Vel: 9.9999999991m/s, Area: 136125.0m², Vol: 46400.7m³

Step 7500/29999, Sim Time: 2461.284s (+5.309e-01s), Max Depth: 0.7323429126m, Max Vel: 0.6159586691m/s, Area: 136200.0m², Vol: 46534.5m³

Step 7600/29999, Sim Time: 2514.297s (+5.306e-01s), Max Depth: 0.7322569663m, Max Vel: 0.6178051379m/s, Area: 136300.0m², Vol: 46693.1m³

Step 7700/29999, Sim Time: 2566.914s (+1.380e-01s), Max Depth: 0.7321757982m, Max Vel: 9.9999999999m/s, Area: 136350.0m², Vol: 46852.4m³

Step 7800/29999, Sim Time: 2588.291s (+5.321e-01s), Max Depth: 0.7321442533m, Max Vel: 0.6086943328m/s, Area: 136350.0m², Vol: 46924.4m³

Step 7900/29999, Sim Time: 2640.496s (+1.380e-01s), Max Depth: 0.7320698860m, Max Vel: 9.9999999999m/s, Area: 136525.0m², Vol: 47081.5m³

Step 8000/29999, Sim Time: 2662.653s (+5.309e-01s), Max Depth: 0.7320395091m, Max Vel: 0.6162494254m/s, Area: 136625.0m², Vol: 47155.2m³

Step 8100/29999, Sim Time: 2715.825s (+5.319e-01s), Max Depth: 0.7319692786m, Max Vel: 0.6102345001m/s, Area: 136625.0m², Vol: 47315.1m³

Step 8200/29999, Sim Time: 2769.114s (+5.334e-01s), Max Depth: 0.7319026260m, Max Vel: 0.6010914170m/s, Area: 136725.0m², Vol: 47477.7m³

Step 8300/29999, Sim Time: 2805.842s (+1.380e-01s), Max Depth: 0.7318587174m, Max Vel: 9.9999999990m/s, Area: 136775.0m², Vol: 47592.6m³

Step 8400/29999, Sim Time: 2842.690s (+5.328e-01s), Max Depth: 0.7318174476m, Max Vel: 0.6053338332m/s, Area: 136800.0m², Vol: 47710.9m³

Step 8500/29999, Sim Time: 2877.303s (+1.380e-01s), Max Depth: 0.7317842157m, Max Vel: 9.9999999991m/s, Area: 136950.0m², Vol: 47819.2m³

Step 8600/29999, Sim Time: 2918.797s (+5.335e-01s), Max Depth: 0.7317522885m, Max Vel: 0.5999077784m/s, Area: 136975.0m², Vol: 47951.7m³

Step 8700/29999, Sim Time: 2936.800s (+1.380e-01s), Max Depth: 0.7317410247m, Max Vel: 9.9999999995m/s, Area: 137050.0m², Vol: 48009.9m³

Step 8800/29999, Sim Time: 2986.661s (+5.340e-01s), Max Depth: 0.7317173234m, Max Vel: 0.5985048853m/s, Area: 137100.0m², Vol: 48166.4m³

Step 8900/29999, Sim Time: 3040.115s (+5.351e-01s), Max Depth: 0.7317018383m, Max Vel: 0.5912477898m/s, Area: 137175.0m², Vol: 48333.3m³

Step 9000/29999, Sim Time: 3093.652s (+5.356e-01s), Max Depth: 0.7316934401m, Max Vel: 0.5884785497m/s, Area: 137225.0m², Vol: 48502.6m³

Step 9100/29999, Sim Time: 3138.979s (+1.380e-01s), Max Depth: 0.7316898749m, Max Vel: 9.9999999990m/s, Area: 137250.0m², Vol: 48649.0m³

Step 9200/29999, Sim Time: 3168.343s (+5.356e-01s), Max Depth: 0.7316886807m, Max Vel: 0.5883704264m/s, Area: 137300.0m², Vol: 48748.7m³

Step 9300/29999, Sim Time: 3221.391s (+4.061e-01s), Max Depth: 0.7316874196m, Max Vel: 1.7816909418m/s, Area: 137500.0m², Vol: 48918.6m³

Step 9400/29999, Sim Time: 3271.908s (+5.354e-01s), Max Depth: 0.7316856785m, Max Vel: 0.5892489344m/s, Area: 137600.0m², Vol: 49082.5m³

Step 9500/29999, Sim Time: 3293.910s (+1.380e-01s), Max Depth: 0.7316844313m, Max Vel: 9.9999999996m/s, Area: 137700.0m², Vol: 49157.6m³

Step 9600/29999, Sim Time: 3344.703s (+5.271e-01s), Max Depth: 0.7316799310m, Max Vel: 0.8520405699m/s, Area: 137800.0m², Vol: 49326.4m³

Step 9700/29999, Sim Time: 3367.921s (+5.332e-01s), Max Depth: 0.7316775570m, Max Vel: 0.6018194943m/s, Area: 137825.0m², Vol: 49409.3m³

Step 9800/29999, Sim Time: 3405.387s (+1.380e-01s), Max Depth: 0.7316749106m, Max Vel: 9.9999999990m/s, Area: 137925.0m², Vol: 49533.4m³

Step 9900/29999, Sim Time: 3435.908s (+5.356e-01s), Max Depth: 0.7316717247m, Max Vel: 0.5891593361m/s, Area: 138050.0m², Vol: 49639.1m³

Step 10000/29999, Sim Time: 3489.405s (+5.355e-01s), Max Depth: 0.7316720186m, Max Vel: 0.5896195641m/s, Area: 138150.0m², Vol: 49815.9m³

Step 10100/29999, Sim Time: 3542.588s (+5.356e-01s), Max Depth: 0.7316426601m, Max Vel: 0.5879741529m/s, Area: 138250.0m², Vol: 49995.0m³

Step 10200/29999, Sim Time: 3596.171s (+5.358e-01s), Max Depth: 0.7315702922m, Max Vel: 0.5875208254m/s, Area: 138350.0m², Vol: 50178.3m³

Step 10300/29999, Sim Time: 3617.431s (+5.358e-01s), Max Depth: 0.7315374393m, Max Vel: 0.5872933534m/s, Area: 138325.0m², Vol: 50258.3m³

Step 10400/29999, Sim Time: 3670.989s (+5.361e-01s), Max Depth: 0.7314471774m, Max Vel: 0.5860321433m/s, Area: 138375.0m², Vol: 50442.2m³

Step 10500/29999, Sim Time: 3719.263s (+5.356e-01s), Max Depth: 0.7313659326m, Max Vel: 0.5888975310m/s, Area: 138500.0m², Vol: 50609.8m³

Step 10600/29999, Sim Time: 3767.052s (+1.380e-01s), Max Depth: 0.7312908395m, Max Vel: 9.9999999991m/s, Area: 138625.0m², Vol: 50777.6m³

Step 10700/29999, Sim Time: 3794.048s (+5.348e-01s), Max Depth: 0.7312511831m, Max Vel: 0.5940556251m/s, Area: 138750.0m², Vol: 50877.6m³

Step 10800/29999, Sim Time: 3839.099s (+1.380e-01s), Max Depth: 0.7311897967m, Max Vel: 9.9999999990m/s, Area: 138725.0m², Vol: 51036.8m³

Step 10900/29999, Sim Time: 3871.980s (+5.334e-01s), Max Depth: 0.7311482085m, Max Vel: 0.6041111669m/s, Area: 138850.0m², Vol: 51158.1m³

Step 11000/29999, Sim Time: 3925.386s (+5.346e-01s), Max Depth: 0.7310858671m, Max Vel: 0.5952002977m/s, Area: 138950.0m², Vol: 51346.9m³

Step 11100/29999, Sim Time: 3978.800s (+5.342e-01s), Max Depth: 0.7313321525m, Max Vel: 0.5972642345m/s, Area: 139075.0m², Vol: 51537.8m³

Step 11200/29999, Sim Time: 4003.924s (+1.380e-01s), Max Depth: 0.7314618755m, Max Vel: 9.9999999994m/s, Area: 139100.0m², Vol: 51631.2m³

Step 11300/29999, Sim Time: 4052.587s (+5.340e-01s), Max Depth: 0.7317219626m, Max Vel: 0.5977942473m/s, Area: 139450.0m², Vol: 51809.7m³

Step 11400/29999, Sim Time: 4077.678s (+1.380e-01s), Max Depth: 0.7318681719m, Max Vel: 9.9999999994m/s, Area: 140425.0m², Vol: 51903.0m³

Step 11500/29999, Sim Time: 4127.112s (+5.327e-01s), Max Depth: 0.7321773913m, Max Vel: 0.6060853158m/s, Area: 149650.0m², Vol: 52078.6m³

Step 11600/29999, Sim Time: 4179.154s (+1.380e-01s), Max Depth: 0.7325328739m, Max Vel: 9.9999999999m/s, Area: 204450.0m², Vol: 52233.4m³

Step 11700/29999, Sim Time: 4202.317s (+5.150e-01s), Max Depth: 0.7327175087m, Max Vel: 0.7149567788m/s, Area: 247400.0m², Vol: 52282.5m³

Step 11800/29999, Sim Time: 4225.423s (+1.392e-01s), Max Depth: 0.7329024279m, Max Vel: 9.8938168464m/s, Area: 295150.0m², Vol: 52314.5m³

Step 11900/29999, Sim Time: 4239.244s (+1.380e-01s), Max Depth: 0.7330282270m, Max Vel: 9.9999999990m/s, Area: 319775.0m², Vol: 52327.5m³

Step 12000/29999, Sim Time: 4253.043s (+1.380e-01s), Max Depth: 0.7331879070m, Max Vel: 9.9999999990m/s, Area: 337275.0m², Vol: 52338.3m³

Step 12100/29999, Sim Time: 4266.842s (+1.380e-01s), Max Depth: 0.7333453785m, Max Vel: 9.9999999990m/s, Area: 354200.0m², Vol: 52347.1m³

Step 12200/29999, Sim Time: 4280.641s (+1.380e-01s), Max Depth: 0.7335209733m, Max Vel: 9.9999999990m/s, Area: 365025.0m², Vol: 52355.2m³

Step 12300/29999, Sim Time: 4294.439s (+1.380e-01s), Max Depth: 0.7339850799m, Max Vel: 9.9999999990m/s, Area: 373275.0m², Vol: 52365.3m³

Step 12400/29999, Sim Time: 4308.236s (+1.380e-01s), Max Depth: 0.7345453160m, Max Vel: 9.9999999990m/s, Area: 376325.0m², Vol: 52375.1m³

Step 12500/29999, Sim Time: 4322.032s (+1.380e-01s), Max Depth: 0.7351166742m, Max Vel: 9.9999999990m/s, Area: 383150.0m², Vol: 52386.3m³

Step 12600/29999, Sim Time: 4335.827s (+1.379e-01s), Max Depth: 0.7357005529m, Max Vel: 9.9999999990m/s, Area: 383925.0m², Vol: 52398.8m³

Step 12700/29999, Sim Time: 4349.620s (+1.379e-01s), Max Depth: 0.7363179821m, Max Vel: 9.9999999990m/s, Area: 384650.0m², Vol: 52412.9m³

Step 12800/29999, Sim Time: 4363.413s (+1.379e-01s), Max Depth: 0.7369528671m, Max Vel: 9.9999999990m/s, Area: 386875.0m², Vol: 52427.7m³

Step 12900/29999, Sim Time: 4377.204s (+1.379e-01s), Max Depth: 0.7375778778m, Max Vel: 9.9999999990m/s, Area: 389250.0m², Vol: 52443.9m³

Step 13000/29999, Sim Time: 4390.994s (+1.379e-01s), Max Depth: 0.7382196617m, Max Vel: 9.9999999990m/s, Area: 392150.0m², Vol: 52460.9m³

Step 13100/29999, Sim Time: 4404.782s (+1.379e-01s), Max Depth: 0.7389145710m, Max Vel: 9.9999999990m/s, Area: 391575.0m², Vol: 52480.4m³

Step 13200/29999, Sim Time: 4418.569s (+1.379e-01s), Max Depth: 0.7400273640m, Max Vel: 9.9999999990m/s, Area: 392875.0m², Vol: 52502.3m³

Step 13300/29999, Sim Time: 4432.353s (+1.378e-01s), Max Depth: 0.7399782651m, Max Vel: 9.9999999990m/s, Area: 395150.0m², Vol: 52446.2m³

Step 13400/29999, Sim Time: 4446.136s (+1.378e-01s), Max Depth: 0.7399520819m, Max Vel: 9.9999999990m/s, Area: 395275.0m², Vol: 52405.4m³

Step 13500/29999, Sim Time: 4459.917s (+1.378e-01s), Max Depth: 0.7398890570m, Max Vel: 9.9999999990m/s, Area: 396650.0m², Vol: 52380.0m³

Step 13600/29999, Sim Time: 4473.697s (+1.378e-01s), Max Depth: 0.7398362859m, Max Vel: 9.9999999990m/s, Area: 399125.0m², Vol: 52333.2m³

Step 13700/29999, Sim Time: 4487.474s (+1.378e-01s), Max Depth: 0.7398026808m, Max Vel: 9.9999999990m/s, Area: 401375.0m², Vol: 52303.0m³

Step 13800/29999, Sim Time: 4501.251s (+1.378e-01s), Max Depth: 0.7397670587m, Max Vel: 9.9999999990m/s, Area: 400625.0m², Vol: 52305.0m³

Step 13900/29999, Sim Time: 4515.026s (+1.378e-01s), Max Depth: 0.7397235399m, Max Vel: 9.9999999990m/s, Area: 402350.0m², Vol: 52310.9m³

Step 14000/29999, Sim Time: 4528.801s (+1.377e-01s), Max Depth: 0.7396691365m, Max Vel: 9.9999999990m/s, Area: 403775.0m², Vol: 52280.3m³

Step 14100/29999, Sim Time: 4542.574s (+1.377e-01s), Max Depth: 0.7396534936m, Max Vel: 9.9999999990m/s, Area: 403000.0m², Vol: 52246.9m³

Step 14200/29999, Sim Time: 4556.346s (+1.377e-01s), Max Depth: 0.7395922002m, Max Vel: 9.9999999990m/s, Area: 405750.0m², Vol: 52224.8m³

Step 14300/29999, Sim Time: 4570.116s (+1.377e-01s), Max Depth: 0.7395441739m, Max Vel: 9.9999999991m/s, Area: 405800.0m², Vol: 52206.6m³

Step 14400/29999, Sim Time: 4583.884s (+1.377e-01s), Max Depth: 0.7395365530m, Max Vel: 9.9999999990m/s, Area: 406325.0m², Vol: 52180.2m³

Step 14500/29999, Sim Time: 4597.650s (+1.377e-01s), Max Depth: 0.7395001140m, Max Vel: 9.9999999990m/s, Area: 408975.0m², Vol: 52143.2m³

Step 14600/29999, Sim Time: 4611.415s (+1.376e-01s), Max Depth: 0.7394656514m, Max Vel: 9.9999999990m/s, Area: 409650.0m², Vol: 52117.1m³

Step 14700/29999, Sim Time: 4625.177s (+1.376e-01s), Max Depth: 0.7394317599m, Max Vel: 9.9999999990m/s, Area: 410750.0m², Vol: 52052.7m³

Step 14800/29999, Sim Time: 4638.936s (+1.376e-01s), Max Depth: 0.7393830915m, Max Vel: 9.9999999990m/s, Area: 410025.0m², Vol: 51976.7m³

Step 14900/29999, Sim Time: 4652.692s (+1.375e-01s), Max Depth: 0.7393598001m, Max Vel: 9.9999999990m/s, Area: 413050.0m², Vol: 51902.6m³

Step 15000/29999, Sim Time: 4666.444s (+1.375e-01s), Max Depth: 0.7393370644m, Max Vel: 9.9999999990m/s, Area: 413225.0m², Vol: 51799.0m³

Step 15100/29999, Sim Time: 4680.191s (+1.374e-01s), Max Depth: 0.7393241191m, Max Vel: 9.9999999990m/s, Area: 415375.0m², Vol: 51645.9m³

Step 15200/29999, Sim Time: 4693.932s (+1.374e-01s), Max Depth: 0.7392626293m, Max Vel: 9.9999999990m/s, Area: 414200.0m², Vol: 51520.1m³

Step 15300/29999, Sim Time: 4707.669s (+1.373e-01s), Max Depth: 0.7392407875m, Max Vel: 9.9999999990m/s, Area: 413950.0m², Vol: 51384.8m³

Step 15400/29999, Sim Time: 4721.398s (+1.373e-01s), Max Depth: 0.7392154246m, Max Vel: 9.9999999990m/s, Area: 417725.0m², Vol: 51191.3m³

Step 15500/29999, Sim Time: 4735.120s (+1.372e-01s), Max Depth: 0.7392004517m, Max Vel: 9.9999999990m/s, Area: 419975.0m², Vol: 50967.1m³

Step 15600/29999, Sim Time: 4748.834s (+1.371e-01s), Max Depth: 0.7391554694m, Max Vel: 9.9999999990m/s, Area: 421775.0m², Vol: 50769.0m³

Step 15700/29999, Sim Time: 4762.539s (+1.370e-01s), Max Depth: 0.7391056031m, Max Vel: 9.9999999990m/s, Area: 422725.0m², Vol: 50537.5m³

Step 15800/29999, Sim Time: 4776.236s (+1.369e-01s), Max Depth: 0.7390970391m, Max Vel: 9.9999999990m/s, Area: 423350.0m², Vol: 50315.3m³

Step 15900/29999, Sim Time: 4789.924s (+1.368e-01s), Max Depth: 0.7390588876m, Max Vel: 9.9999999990m/s, Area: 425300.0m², Vol: 50127.7m³

Step 16000/29999, Sim Time: 4803.605s (+1.368e-01s), Max Depth: 0.7390325423m, Max Vel: 9.9999999990m/s, Area: 426900.0m², Vol: 49961.9m³

Step 16100/29999, Sim Time: 4817.279s (+1.367e-01s), Max Depth: 0.7389833780m, Max Vel: 9.9999999990m/s, Area: 426325.0m², Vol: 49767.2m³

Step 16200/29999, Sim Time: 4830.943s (+1.366e-01s), Max Depth: 0.7389650324m, Max Vel: 9.9999999990m/s, Area: 427700.0m², Vol: 49566.9m³

Step 16300/29999, Sim Time: 4844.601s (+1.365e-01s), Max Depth: 0.7389165241m, Max Vel: 9.9999999990m/s, Area: 429825.0m², Vol: 49428.9m³

Step 16400/29999, Sim Time: 4858.253s (+1.365e-01s), Max Depth: 0.7388753079m, Max Vel: 9.9999999990m/s, Area: 430125.0m², Vol: 49347.0m³

Step 16500/29999, Sim Time: 4871.900s (+1.365e-01s), Max Depth: 0.7388646999m, Max Vel: 9.9999999990m/s, Area: 431150.0m², Vol: 49269.3m³

Step 16600/29999, Sim Time: 4885.543s (+1.364e-01s), Max Depth: 0.7388240956m, Max Vel: 9.9999999990m/s, Area: 432250.0m², Vol: 49156.5m³

Step 16700/29999, Sim Time: 4899.180s (+1.363e-01s), Max Depth: 0.7387615502m, Max Vel: 9.9999999990m/s, Area: 432625.0m², Vol: 49056.1m³

Step 16800/29999, Sim Time: 4912.812s (+1.363e-01s), Max Depth: 0.7387030932m, Max Vel: 9.9999999990m/s, Area: 436425.0m², Vol: 48959.6m³

Step 16900/29999, Sim Time: 4926.439s (+1.362e-01s), Max Depth: 0.7386459784m, Max Vel: 9.9999999991m/s, Area: 436675.0m², Vol: 48866.1m³

Step 17000/29999, Sim Time: 4940.061s (+1.362e-01s), Max Depth: 0.7386330488m, Max Vel: 9.9999999990m/s, Area: 436900.0m², Vol: 48798.5m³

Step 17100/29999, Sim Time: 4953.680s (+1.362e-01s), Max Depth: 0.7386142140m, Max Vel: 9.9999999993m/s, Area: 439050.0m², Vol: 48760.0m³

Step 17200/29999, Sim Time: 4967.295s (+1.361e-01s), Max Depth: 0.7385992283m, Max Vel: 9.9999999990m/s, Area: 438750.0m², Vol: 48721.3m³

Step 17300/29999, Sim Time: 4980.908s (+1.361e-01s), Max Depth: 0.7385887528m, Max Vel: 9.9999999990m/s, Area: 439675.0m², Vol: 48673.8m³

Step 17400/29999, Sim Time: 4994.516s (+1.361e-01s), Max Depth: 0.7385358783m, Max Vel: 9.9999999990m/s, Area: 442525.0m², Vol: 48617.1m³

Step 17500/29999, Sim Time: 5008.122s (+1.360e-01s), Max Depth: 0.7385211383m, Max Vel: 9.9999999990m/s, Area: 442250.0m², Vol: 48586.9m³

Step 17600/29999, Sim Time: 5021.724s (+1.360e-01s), Max Depth: 0.7384885729m, Max Vel: 9.9999999990m/s, Area: 444275.0m², Vol: 48546.2m³

Step 17700/29999, Sim Time: 5035.323s (+1.360e-01s), Max Depth: 0.7384415022m, Max Vel: 9.9999999990m/s, Area: 445175.0m², Vol: 48474.1m³

Step 17800/29999, Sim Time: 5048.918s (+1.359e-01s), Max Depth: 0.7383868139m, Max Vel: 9.9999999990m/s, Area: 446325.0m², Vol: 48400.8m³

Step 17900/29999, Sim Time: 5062.509s (+1.359e-01s), Max Depth: 0.7383293046m, Max Vel: 9.9999999990m/s, Area: 447500.0m², Vol: 48337.8m³

Step 18000/29999, Sim Time: 5076.097s (+1.359e-01s), Max Depth: 0.7383098336m, Max Vel: 9.9999999990m/s, Area: 447350.0m², Vol: 48301.7m³

Step 18100/29999, Sim Time: 5089.681s (+1.358e-01s), Max Depth: 0.7382813434m, Max Vel: 9.9999999990m/s, Area: 448550.0m², Vol: 48270.9m³

Step 18200/29999, Sim Time: 5103.263s (+1.358e-01s), Max Depth: 0.7382491771m, Max Vel: 9.9999999990m/s, Area: 449450.0m², Vol: 48249.6m³

Step 18300/29999, Sim Time: 5116.843s (+1.358e-01s), Max Depth: 0.7381992347m, Max Vel: 9.9999999990m/s, Area: 450200.0m², Vol: 48242.6m³

Step 18400/29999, Sim Time: 5130.420s (+1.358e-01s), Max Depth: 0.7381705018m, Max Vel: 9.9999999990m/s, Area: 452350.0m², Vol: 48240.7m³

Step 18500/29999, Sim Time: 5143.996s (+1.358e-01s), Max Depth: 0.7381440734m, Max Vel: 9.9999999990m/s, Area: 450925.0m², Vol: 48249.6m³

Step 18600/29999, Sim Time: 5157.570s (+1.357e-01s), Max Depth: 0.7381153821m, Max Vel: 9.9999999990m/s, Area: 451675.0m², Vol: 48247.3m³

Step 18700/29999, Sim Time: 5171.142s (+1.357e-01s), Max Depth: 0.7380978313m, Max Vel: 9.9999999990m/s, Area: 453075.0m², Vol: 48238.6m³

Step 18800/29999, Sim Time: 5184.712s (+1.357e-01s), Max Depth: 0.7380845313m, Max Vel: 9.9999999990m/s, Area: 452050.0m², Vol: 48230.4m³

Step 18900/29999, Sim Time: 5198.280s (+1.357e-01s), Max Depth: 0.7380342817m, Max Vel: 9.9999999990m/s, Area: 453525.0m², Vol: 48228.0m³

Step 19000/29999, Sim Time: 5211.846s (+1.357e-01s), Max Depth: 0.7380039965m, Max Vel: 9.9999999990m/s, Area: 454475.0m², Vol: 48230.2m³

Step 19100/29999, Sim Time: 5225.410s (+1.356e-01s), Max Depth: 0.7379531050m, Max Vel: 9.9999999990m/s, Area: 456475.0m², Vol: 48228.0m³

Step 19200/29999, Sim Time: 5238.973s (+1.356e-01s), Max Depth: 0.7379387464m, Max Vel: 9.9999999990m/s, Area: 457550.0m², Vol: 48233.2m³

Step 19300/29999, Sim Time: 5252.534s (+1.356e-01s), Max Depth: 0.7379250216m, Max Vel: 9.9999999990m/s, Area: 458325.0m², Vol: 48228.3m³

Step 19400/29999, Sim Time: 5266.093s (+1.356e-01s), Max Depth: 0.7378794990m, Max Vel: 9.9999999990m/s, Area: 458975.0m², Vol: 48229.6m³

Step 19500/29999, Sim Time: 5279.650s (+1.356e-01s), Max Depth: 0.7378189892m, Max Vel: 9.9999999990m/s, Area: 459325.0m², Vol: 48232.9m³

Step 19600/29999, Sim Time: 5293.205s (+1.355e-01s), Max Depth: 0.7377981243m, Max Vel: 9.9999999990m/s, Area: 460425.0m², Vol: 48243.8m³

Step 19700/29999, Sim Time: 5306.760s (+1.355e-01s), Max Depth: 0.7377720369m, Max Vel: 9.9999999990m/s, Area: 464275.0m², Vol: 48260.2m³

Step 19800/29999, Sim Time: 5320.313s (+1.355e-01s), Max Depth: 0.7377455213m, Max Vel: 9.9999999990m/s, Area: 463500.0m², Vol: 48285.4m³

Step 19900/29999, Sim Time: 5333.865s (+1.355e-01s), Max Depth: 0.7377156410m, Max Vel: 9.9999999990m/s, Area: 463250.0m², Vol: 48316.0m³

Step 20000/29999, Sim Time: 5347.416s (+1.355e-01s), Max Depth: 0.7376954175m, Max Vel: 9.9999999990m/s, Area: 464225.0m², Vol: 48348.3m³

Step 20100/29999, Sim Time: 5360.967s (+1.355e-01s), Max Depth: 0.7376778850m, Max Vel: 9.9999999990m/s, Area: 465350.0m², Vol: 48384.6m³

Step 20200/29999, Sim Time: 5374.518s (+1.355e-01s), Max Depth: 0.7376676228m, Max Vel: 9.9999999990m/s, Area: 466675.0m², Vol: 48430.9m³

Step 20300/29999, Sim Time: 5388.068s (+1.355e-01s), Max Depth: 0.7376158148m, Max Vel: 9.9999999990m/s, Area: 466325.0m², Vol: 48480.7m³

Step 20400/29999, Sim Time: 5401.618s (+1.355e-01s), Max Depth: 0.7375530866m, Max Vel: 9.9999999990m/s, Area: 467150.0m², Vol: 48520.6m³

Step 20500/29999, Sim Time: 5415.167s (+1.355e-01s), Max Depth: 0.7375064481m, Max Vel: 9.9999999990m/s, Area: 467600.0m², Vol: 48558.0m³

Step 20600/29999, Sim Time: 5428.717s (+1.355e-01s), Max Depth: 0.7374536869m, Max Vel: 9.9999999990m/s, Area: 467925.0m², Vol: 48601.0m³

Step 20700/29999, Sim Time: 5442.266s (+1.355e-01s), Max Depth: 0.7374121805m, Max Vel: 9.9999999990m/s, Area: 470300.0m², Vol: 48649.5m³

Step 20800/29999, Sim Time: 5455.815s (+1.355e-01s), Max Depth: 0.7373606649m, Max Vel: 9.9999999990m/s, Area: 470600.0m², Vol: 48681.4m³

Step 20900/29999, Sim Time: 5469.363s (+1.355e-01s), Max Depth: 0.7373513675m, Max Vel: 9.9999999990m/s, Area: 472600.0m², Vol: 48714.4m³

Step 21000/29999, Sim Time: 5482.911s (+1.355e-01s), Max Depth: 0.7373068766m, Max Vel: 9.9999999990m/s, Area: 473425.0m², Vol: 48747.1m³

Step 21100/29999, Sim Time: 5496.459s (+1.355e-01s), Max Depth: 0.7372881886m, Max Vel: 9.9999999990m/s, Area: 473425.0m², Vol: 48790.7m³

Step 21200/29999, Sim Time: 5510.007s (+1.355e-01s), Max Depth: 0.7372579431m, Max Vel: 9.9999999990m/s, Area: 473675.0m², Vol: 48830.5m³

Step 21300/29999, Sim Time: 5523.554s (+1.355e-01s), Max Depth: 0.7371967660m, Max Vel: 9.9999999990m/s, Area: 475550.0m², Vol: 48869.6m³

Step 21400/29999, Sim Time: 5537.101s (+1.355e-01s), Max Depth: 0.7371547751m, Max Vel: 9.9999999990m/s, Area: 476650.0m², Vol: 48920.1m³

Step 21500/29999, Sim Time: 5550.648s (+1.355e-01s), Max Depth: 0.7370974436m, Max Vel: 9.9999999990m/s, Area: 476500.0m², Vol: 48971.6m³

Step 21600/29999, Sim Time: 5564.195s (+1.355e-01s), Max Depth: 0.7370486652m, Max Vel: 9.9999999990m/s, Area: 477900.0m², Vol: 49008.3m³

Step 21700/29999, Sim Time: 5577.741s (+1.355e-01s), Max Depth: 0.7370093004m, Max Vel: 9.9999999994m/s, Area: 477575.0m², Vol: 49032.6m³

Step 21800/29999, Sim Time: 5591.287s (+1.355e-01s), Max Depth: 0.7369922600m, Max Vel: 9.9999999990m/s, Area: 479375.0m², Vol: 49085.3m³

Step 21900/29999, Sim Time: 5604.833s (+1.355e-01s), Max Depth: 0.7369788377m, Max Vel: 9.9999999990m/s, Area: 478825.0m², Vol: 49141.0m³

Step 22000/29999, Sim Time: 5618.379s (+1.355e-01s), Max Depth: 0.7369536330m, Max Vel: 9.9999999990m/s, Area: 479550.0m², Vol: 49169.8m³

Step 22100/29999, Sim Time: 5631.924s (+1.354e-01s), Max Depth: 0.7369178884m, Max Vel: 9.9999999990m/s, Area: 481550.0m², Vol: 49205.6m³

Step 22200/29999, Sim Time: 5645.469s (+1.354e-01s), Max Depth: 0.7368799487m, Max Vel: 9.9999999990m/s, Area: 481000.0m², Vol: 49252.7m³

Step 22300/29999, Sim Time: 5659.014s (+1.354e-01s), Max Depth: 0.7368289851m, Max Vel: 9.9999999990m/s, Area: 480350.0m², Vol: 49287.9m³

Step 22400/29999, Sim Time: 5672.558s (+1.354e-01s), Max Depth: 0.7367710822m, Max Vel: 9.9999999990m/s, Area: 481575.0m², Vol: 49323.5m³

Step 22500/29999, Sim Time: 5686.102s (+1.354e-01s), Max Depth: 0.7367223621m, Max Vel: 9.9999999990m/s, Area: 482925.0m², Vol: 49361.5m³

Step 22600/29999, Sim Time: 5699.646s (+1.354e-01s), Max Depth: 0.7366837758m, Max Vel: 9.9999999990m/s, Area: 482750.0m², Vol: 49392.8m³

Step 22700/29999, Sim Time: 5713.189s (+1.354e-01s), Max Depth: 0.7366586559m, Max Vel: 9.9999999990m/s, Area: 484050.0m², Vol: 49419.9m³

Step 22800/29999, Sim Time: 5726.731s (+1.354e-01s), Max Depth: 0.7366510420m, Max Vel: 9.9999999990m/s, Area: 485675.0m², Vol: 49447.9m³

Step 22900/29999, Sim Time: 5740.273s (+1.354e-01s), Max Depth: 0.7365951115m, Max Vel: 9.9999999990m/s, Area: 484900.0m², Vol: 49466.1m³

Step 23000/29999, Sim Time: 5753.813s (+1.354e-01s), Max Depth: 0.7365765226m, Max Vel: 9.9999999990m/s, Area: 485400.0m², Vol: 49480.4m³

Step 23100/29999, Sim Time: 5767.352s (+1.354e-01s), Max Depth: 0.7365215209m, Max Vel: 9.9999999990m/s, Area: 484950.0m², Vol: 49486.1m³

Step 23200/29999, Sim Time: 5780.890s (+1.354e-01s), Max Depth: 0.7364641960m, Max Vel: 9.9999999990m/s, Area: 486075.0m², Vol: 49486.7m³

Step 23300/29999, Sim Time: 5794.425s (+1.353e-01s), Max Depth: 0.7364249569m, Max Vel: 9.9999999990m/s, Area: 487225.0m², Vol: 49483.8m³

Step 23400/29999, Sim Time: 5807.959s (+1.353e-01s), Max Depth: 0.7364104006m, Max Vel: 9.9999999990m/s, Area: 486925.0m², Vol: 49479.5m³

Step 23500/29999, Sim Time: 5821.491s (+1.353e-01s), Max Depth: 0.7363985216m, Max Vel: 9.9999999990m/s, Area: 487850.0m², Vol: 49477.9m³

Step 23600/29999, Sim Time: 5835.021s (+1.353e-01s), Max Depth: 0.7363895074m, Max Vel: 9.9999999990m/s, Area: 488475.0m², Vol: 49483.9m³

Step 23700/29999, Sim Time: 5848.549s (+1.353e-01s), Max Depth: 0.7363763117m, Max Vel: 9.9999999990m/s, Area: 488775.0m², Vol: 49496.2m³

Step 23800/29999, Sim Time: 5862.075s (+1.353e-01s), Max Depth: 0.7363281501m, Max Vel: 9.9999999990m/s, Area: 490325.0m², Vol: 49492.7m³

Step 23900/29999, Sim Time: 5875.600s (+1.352e-01s), Max Depth: 0.7362997930m, Max Vel: 9.9999999990m/s, Area: 491000.0m², Vol: 49512.9m³

Step 24000/29999, Sim Time: 5889.123s (+1.352e-01s), Max Depth: 0.7362366918m, Max Vel: 9.9999999990m/s, Area: 491675.0m², Vol: 49534.7m³

Step 24100/29999, Sim Time: 5902.644s (+1.352e-01s), Max Depth: 0.7362084419m, Max Vel: 9.9999999990m/s, Area: 492450.0m², Vol: 49555.3m³

Step 24200/29999, Sim Time: 5916.163s (+1.352e-01s), Max Depth: 0.7361500115m, Max Vel: 9.9999999990m/s, Area: 492175.0m², Vol: 49569.2m³

Step 24300/29999, Sim Time: 5929.681s (+1.352e-01s), Max Depth: 0.7360894983m, Max Vel: 9.9999999990m/s, Area: 494700.0m², Vol: 49599.5m³

Step 24400/29999, Sim Time: 5943.197s (+1.352e-01s), Max Depth: 0.7360817198m, Max Vel: 9.9999999990m/s, Area: 492950.0m², Vol: 49618.3m³

Step 24500/29999, Sim Time: 5956.712s (+1.351e-01s), Max Depth: 0.7360651614m, Max Vel: 9.9999999990m/s, Area: 494175.0m², Vol: 49628.2m³

Step 24600/29999, Sim Time: 5970.224s (+1.351e-01s), Max Depth: 0.7360554316m, Max Vel: 9.9999999990m/s, Area: 493800.0m², Vol: 49613.4m³

Step 24700/29999, Sim Time: 5983.733s (+1.351e-01s), Max Depth: 0.7360326450m, Max Vel: 9.9999999990m/s, Area: 494875.0m², Vol: 49581.7m³

Step 24800/29999, Sim Time: 5997.239s (+1.350e-01s), Max Depth: 0.7360016538m, Max Vel: 9.9999999990m/s, Area: 496300.0m², Vol: 49545.7m³

Step 24900/29999, Sim Time: 6010.742s (+1.350e-01s), Max Depth: 0.7359729147m, Max Vel: 9.9999999990m/s, Area: 497250.0m², Vol: 49539.4m³

Step 25000/29999, Sim Time: 6024.242s (+1.350e-01s), Max Depth: 0.7359569723m, Max Vel: 9.9999999999m/s, Area: 496350.0m², Vol: 49527.0m³

Step 25100/29999, Sim Time: 6037.739s (+1.349e-01s), Max Depth: 0.7359114119m, Max Vel: 9.9999999990m/s, Area: 497500.0m², Vol: 49475.6m³

Step 25200/29999, Sim Time: 6051.230s (+1.349e-01s), Max Depth: 0.7358724132m, Max Vel: 9.9999999990m/s, Area: 496875.0m², Vol: 49314.5m³

Step 25300/29999, Sim Time: 6064.712s (+1.348e-01s), Max Depth: 0.7358658354m, Max Vel: 9.9999999990m/s, Area: 497825.0m², Vol: 49138.7m³

Step 25400/29999, Sim Time: 6078.186s (+1.347e-01s), Max Depth: 0.7358292594m, Max Vel: 9.9999999990m/s, Area: 499175.0m², Vol: 48913.3m³

Step 25500/29999, Sim Time: 6091.650s (+1.346e-01s), Max Depth: 0.7358191584m, Max Vel: 9.9999999990m/s, Area: 498950.0m², Vol: 48663.9m³

Step 25600/29999, Sim Time: 6105.103s (+1.345e-01s), Max Depth: 0.7357572108m, Max Vel: 9.9999999990m/s, Area: 498425.0m², Vol: 48422.9m³

Step 25700/29999, Sim Time: 6118.545s (+1.344e-01s), Max Depth: 0.7357098359m, Max Vel: 9.9999999990m/s, Area: 498725.0m², Vol: 48233.2m³

Step 25800/29999, Sim Time: 6131.980s (+1.343e-01s), Max Depth: 0.7356859925m, Max Vel: 9.9999999990m/s, Area: 498625.0m², Vol: 48108.9m³

Step 25900/29999, Sim Time: 6145.407s (+1.342e-01s), Max Depth: 0.7356568061m, Max Vel: 9.9999999990m/s, Area: 499900.0m², Vol: 48004.7m³

Step 26000/29999, Sim Time: 6158.829s (+1.342e-01s), Max Depth: 0.7355991464m, Max Vel: 9.9999999990m/s, Area: 500300.0m², Vol: 47888.8m³

Step 26100/29999, Sim Time: 6172.243s (+1.341e-01s), Max Depth: 0.7355451466m, Max Vel: 9.9999999990m/s, Area: 501700.0m², Vol: 47796.7m³

Step 26200/29999, Sim Time: 6185.652s (+1.341e-01s), Max Depth: 0.7355128813m, Max Vel: 9.9999999990m/s, Area: 501050.0m², Vol: 47762.9m³

Step 26300/29999, Sim Time: 6199.058s (+1.340e-01s), Max Depth: 0.7355054880m, Max Vel: 9.9999999990m/s, Area: 501775.0m², Vol: 47747.8m³

Step 26400/29999, Sim Time: 6212.459s (+1.340e-01s), Max Depth: 0.7354931255m, Max Vel: 9.9999999990m/s, Area: 501550.0m², Vol: 47707.7m³

Step 26500/29999, Sim Time: 6225.856s (+1.339e-01s), Max Depth: 0.7354828477m, Max Vel: 9.9999999990m/s, Area: 502150.0m², Vol: 47663.0m³

Step 26600/29999, Sim Time: 6239.249s (+1.339e-01s), Max Depth: 0.7354667228m, Max Vel: 9.9999999990m/s, Area: 502700.0m², Vol: 47644.3m³

Step 26700/29999, Sim Time: 6252.639s (+1.339e-01s), Max Depth: 0.7354194634m, Max Vel: 9.9999999990m/s, Area: 503400.0m², Vol: 47672.7m³

Step 26800/29999, Sim Time: 6266.028s (+1.339e-01s), Max Depth: 0.7353767636m, Max Vel: 9.9999999990m/s, Area: 505000.0m², Vol: 47696.7m³

Step 26900/29999, Sim Time: 6279.414s (+1.338e-01s), Max Depth: 0.7353263740m, Max Vel: 9.9999999990m/s, Area: 504100.0m², Vol: 47668.3m³

Step 27000/29999, Sim Time: 6292.796s (+1.338e-01s), Max Depth: 0.7352766363m, Max Vel: 9.9999999990m/s, Area: 505500.0m², Vol: 47602.7m³

Step 27100/29999, Sim Time: 6306.174s (+1.338e-01s), Max Depth: 0.7352129604m, Max Vel: 9.9999999990m/s, Area: 505900.0m², Vol: 47580.2m³

Step 27200/29999, Sim Time: 6319.550s (+1.337e-01s), Max Depth: 0.7351547996m, Max Vel: 9.9999999990m/s, Area: 505600.0m², Vol: 47590.7m³

Step 27300/29999, Sim Time: 6332.923s (+1.337e-01s), Max Depth: 0.7351019649m, Max Vel: 9.9999999990m/s, Area: 507900.0m², Vol: 47569.8m³

Step 27400/29999, Sim Time: 6346.293s (+1.337e-01s), Max Depth: 0.7350728061m, Max Vel: 9.9999999990m/s, Area: 506700.0m², Vol: 47528.1m³

Step 27500/29999, Sim Time: 6359.660s (+1.336e-01s), Max Depth: 0.7350388721m, Max Vel: 9.9999999990m/s, Area: 504875.0m², Vol: 47498.8m³

Step 27600/29999, Sim Time: 6373.023s (+1.336e-01s), Max Depth: 0.7349959979m, Max Vel: 9.9999999990m/s, Area: 507000.0m², Vol: 47500.7m³

Step 27700/29999, Sim Time: 6386.385s (+1.336e-01s), Max Depth: 0.7349530619m, Max Vel: 9.9999999990m/s, Area: 508350.0m², Vol: 47519.8m³

Step 27800/29999, Sim Time: 6399.745s (+1.336e-01s), Max Depth: 0.7349368710m, Max Vel: 9.9999999990m/s, Area: 507700.0m², Vol: 47539.0m³

Step 27900/29999, Sim Time: 6413.104s (+1.336e-01s), Max Depth: 0.7348774313m, Max Vel: 9.9999999990m/s, Area: 508525.0m², Vol: 47544.3m³

Step 28000/29999, Sim Time: 6426.461s (+1.336e-01s), Max Depth: 0.7348335175m, Max Vel: 9.9999999990m/s, Area: 507550.0m², Vol: 47545.3m³

Step 28100/29999, Sim Time: 6439.816s (+1.335e-01s), Max Depth: 0.7348244532m, Max Vel: 9.9999999990m/s, Area: 510075.0m², Vol: 47546.6m³

Step 28200/29999, Sim Time: 6453.169s (+1.335e-01s), Max Depth: 0.7347972673m, Max Vel: 9.9999999990m/s, Area: 509200.0m², Vol: 47550.0m³

Step 28300/29999, Sim Time: 6466.520s (+1.335e-01s), Max Depth: 0.7347855635m, Max Vel: 9.9999999990m/s, Area: 509025.0m², Vol: 47538.7m³

Step 28400/29999, Sim Time: 6479.868s (+1.335e-01s), Max Depth: 0.7347612779m, Max Vel: 9.9999999990m/s, Area: 509475.0m², Vol: 47512.9m³

Step 28500/29999, Sim Time: 6493.214s (+1.334e-01s), Max Depth: 0.7347502769m, Max Vel: 9.9999999990m/s, Area: 510675.0m², Vol: 47490.6m³

Step 28600/29999, Sim Time: 6506.556s (+1.334e-01s), Max Depth: 0.7347004686m, Max Vel: 9.9999999990m/s, Area: 511175.0m², Vol: 47455.8m³

Step 28700/29999, Sim Time: 6519.895s (+1.334e-01s), Max Depth: 0.7346621111m, Max Vel: 9.9999999990m/s, Area: 512375.0m², Vol: 47400.6m³

Step 28800/29999, Sim Time: 6533.230s (+1.333e-01s), Max Depth: 0.7346297045m, Max Vel: 9.9999999990m/s, Area: 510550.0m², Vol: 47338.4m³

Step 28900/29999, Sim Time: 6546.562s (+1.333e-01s), Max Depth: 0.7345720828m, Max Vel: 9.9999999990m/s, Area: 509150.0m², Vol: 47284.0m³

Step 29000/29999, Sim Time: 6559.889s (+1.333e-01s), Max Depth: 0.7345459165m, Max Vel: 9.9999999990m/s, Area: 510975.0m², Vol: 47238.2m³

Step 29100/29999, Sim Time: 6573.212s (+1.332e-01s), Max Depth: 0.7344859633m, Max Vel: 9.9999999990m/s, Area: 512300.0m², Vol: 47181.3m³

Step 29200/29999, Sim Time: 6586.531s (+1.332e-01s), Max Depth: 0.7344249305m, Max Vel: 9.9999999990m/s, Area: 511575.0m², Vol: 47124.7m³

Step 29300/29999, Sim Time: 6599.847s (+1.331e-01s), Max Depth: 0.7343905578m, Max Vel: 9.9999999990m/s, Area: 512375.0m², Vol: 47101.8m³

Step 29400/29999, Sim Time: 6613.160s (+1.331e-01s), Max Depth: 0.7343619590m, Max Vel: 9.9999999990m/s, Area: 512250.0m², Vol: 47084.2m³

Step 29500/29999, Sim Time: 6626.470s (+1.331e-01s), Max Depth: 0.7343001700m, Max Vel: 9.9999999990m/s, Area: 513900.0m², Vol: 47057.5m³

Step 29600/29999, Sim Time: 6639.776s (+1.330e-01s), Max Depth: 0.7342588812m, Max Vel: 9.9999999990m/s, Area: 514825.0m², Vol: 47020.7m³

Step 29700/29999, Sim Time: 6653.079s (+1.330e-01s), Max Depth: 0.7342106080m, Max Vel: 9.9999999999m/s, Area: 513350.0m², Vol: 46969.0m³

Step 29800/29999, Sim Time: 6666.377s (+1.330e-01s), Max Depth: 0.7341722417m, Max Vel: 9.9999999990m/s, Area: 515775.0m², Vol: 46915.5m³

Step 29900/29999, Sim Time: 6679.671s (+1.329e-01s), Max Depth: 0.7341485193m, Max Vel: 9.9999999990m/s, Area: 514525.0m², Vol: 46847.4m³

Step 29999/29999, Sim Time: 6692.828s (+1.329e-01s), Max Depth: 0.7341410017m, Max Vel: 9.9999999990m/s, Area: 514825.0m², Vol: 46778.1m³

Simulation finished 30000 steps in 254.90 seconds (wall clock).

Final Maximum Flood Extent Area: 983275.00 m²

Peak Recorded Water Depth Anywhere: 1.025 m

Phase 2 max depth: 0.734 m, steady state max depth: 0.734 m, rate of increase: 0.000000 m/s

--- Visualizing Combined River (P1) + WSE Contour Breach (P2) Results ---

Using DEM contour thresholds for WSE viz: [np.float64(19.998315827761544), np.float64(20.565404887957524), np.float64(21.1324939481535), np.float64(21.699583008349478), np.float64(22.266672068545454), np.float64(22.833761128741433), np.float64(23.400850188937408), np.float64(23.967939249133387), np.float64(24.535028309329363), np.float64(25.10211736952534)]

Saving animation to result\_source1\_5\_rain8\_984375.mp4 (using ffmpeg)...

Animation saved.

Final frame saved to result\_source1\_5\_rain8\_984375\_final\_frame.png

Visualization finished.

--- Two-Phase River + WSE Contour Breach Test Finished ---

python flood\_simulation\_driver.py --run-twophase-test --phase1-steps 20000 --phase2-steps 30000 --rain-rate 10.4296875 --output-freq 100 -o result\_source1\_5\_rain10\_4296875.mp4 --save --source-row 50 --source-col 1 --source-rate 1.5

--- Starting Two-Phase River + Rainfall Test (Combined Output, Custom Viz) ---

--- Running Phase 1 for Two-Phase Test: Establishing River Flow ---

Generating DEM for Phase 1...

Generating natural river DEM...

Adding terrain noise...

Applying final smoothing...

Natural river DEM created.

Final DEM Elevation range: 20.00 to 25.10

Initializing Phase 1 sim with outlet\_percentile=5.0.

Generated boundary mask: 946 wall cells, 50 potential outlet cells identified.

Initial dt guess: 0.0707 s

--- Running Phase 1 Simulation for 20000 steps ---

Step 0/19999, Sim Time: 0.106s (+1.060e-01s), Max Depth: 0.2119873110m, Max Vel: 0.0000000000m/s, Area: 25.0m², Vol: 5.3m³

Step 100/19999, Sim Time: 64.077s (+8.004e-01s), Max Depth: 0.2597141130m, Max Vel: 0.5811788908m/s, Area: 1000.0m², Vol: 98.4m³

Step 200/19999, Sim Time: 159.673s (+1.053e+00s), Max Depth: 0.1709328576m, Max Vel: 0.3652084574m/s, Area: 2125.0m², Vol: 184.4m³

Step 300/19999, Sim Time: 265.860s (+1.074e+00s), Max Depth: 0.1746705831m, Max Vel: 0.3257429471m/s, Area: 3400.0m², Vol: 282.5m³

Step 400/19999, Sim Time: 371.997s (+1.045e+00s), Max Depth: 0.1802231625m, Max Vel: 0.3405344994m/s, Area: 4350.0m², Vol: 385.8m³

Step 500/19999, Sim Time: 476.782s (+1.036e+00s), Max Depth: 0.1910812156m, Max Vel: 0.3217763543m/s, Area: 5475.0m², Vol: 503.2m³

Step 600/19999, Sim Time: 577.607s (+9.871e-01s), Max Depth: 0.2067413589m, Max Vel: 0.3492858854m/s, Area: 6300.0m², Vol: 632.8m³

Step 700/19999, Sim Time: 675.052s (+9.654e-01s), Max Depth: 0.2147943389m, Max Vel: 0.3612527269m/s, Area: 7325.0m², Vol: 758.3m³

Step 800/19999, Sim Time: 771.326s (+9.615e-01s), Max Depth: 0.2176690977m, Max Vel: 0.3587653168m/s, Area: 8300.0m², Vol: 884.5m³

Step 900/19999, Sim Time: 867.603s (+9.642e-01s), Max Depth: 0.2181425161m, Max Vel: 0.3520372652m/s, Area: 9200.0m², Vol: 1016.0m³

Step 1000/19999, Sim Time: 964.176s (+9.659e-01s), Max Depth: 0.2176355701m, Max Vel: 0.3505775108m/s, Area: 10325.0m², Vol: 1153.0m³

Step 1100/19999, Sim Time: 1060.760s (+9.534e-01s), Max Depth: 0.2170977179m, Max Vel: 0.3743132384m/s, Area: 11450.0m², Vol: 1293.3m³

Step 1200/19999, Sim Time: 1155.204s (+9.348e-01s), Max Depth: 0.2205068273m, Max Vel: 0.4013918960m/s, Area: 12600.0m², Vol: 1433.2m³

Step 1300/19999, Sim Time: 1247.890s (+9.224e-01s), Max Depth: 0.2237983278m, Max Vel: 0.4154804665m/s, Area: 13400.0m², Vol: 1569.5m³

Step 1400/19999, Sim Time: 1340.616s (+9.318e-01s), Max Depth: 0.2253471230m, Max Vel: 0.3911293275m/s, Area: 14225.0m², Vol: 1693.7m³

Step 1500/19999, Sim Time: 1433.827s (+9.183e-01s), Max Depth: 0.2347150831m, Max Vel: 0.3884551856m/s, Area: 15250.0m², Vol: 1801.0m³

Step 1600/19999, Sim Time: 1523.734s (+8.835e-01s), Max Depth: 0.2484727293m, Max Vel: 0.4196037220m/s, Area: 16175.0m², Vol: 1913.9m³

Step 1700/19999, Sim Time: 1611.492s (+8.739e-01s), Max Depth: 0.2579902478m, Max Vel: 0.4117215248m/s, Area: 17025.0m², Vol: 2030.2m³

Step 1800/19999, Sim Time: 1699.144s (+8.802e-01s), Max Depth: 0.2643400677m, Max Vel: 0.3777967802m/s, Area: 17875.0m², Vol: 2158.0m³

Step 1900/19999, Sim Time: 1787.242s (+8.822e-01s), Max Depth: 0.2690956176m, Max Vel: 0.3589942641m/s, Area: 19100.0m², Vol: 2296.5m³

Step 2000/19999, Sim Time: 1874.338s (+8.635e-01s), Max Depth: 0.2722201745m, Max Vel: 0.3918456945m/s, Area: 20225.0m², Vol: 2450.6m³

Step 2100/19999, Sim Time: 1960.628s (+8.519e-01s), Max Depth: 0.2739780451m, Max Vel: 0.4081844441m/s, Area: 21400.0m², Vol: 2611.6m³

Step 2200/19999, Sim Time: 2046.386s (+8.584e-01s), Max Depth: 0.2747129155m, Max Vel: 0.3967688765m/s, Area: 22400.0m², Vol: 2782.2m³

Step 2300/19999, Sim Time: 2130.901s (+8.386e-01s), Max Depth: 0.2746797423m, Max Vel: 0.4456647926m/s, Area: 23625.0m², Vol: 2953.2m³

Step 2400/19999, Sim Time: 2214.559s (+8.392e-01s), Max Depth: 0.2742090230m, Max Vel: 0.4445373182m/s, Area: 24725.0m², Vol: 3134.0m³

Step 2500/19999, Sim Time: 2299.498s (+8.568e-01s), Max Depth: 0.2734828131m, Max Vel: 0.4055632075m/s, Area: 25850.0m², Vol: 3334.5m³

Step 2600/19999, Sim Time: 2384.716s (+8.467e-01s), Max Depth: 0.2803962605m, Max Vel: 0.4087375125m/s, Area: 26950.0m², Vol: 3549.7m³

Step 2700/19999, Sim Time: 2467.599s (+8.096e-01s), Max Depth: 0.3025797149m, Max Vel: 0.4338134501m/s, Area: 28250.0m², Vol: 3770.7m³

Step 2800/19999, Sim Time: 2547.529s (+7.892e-01s), Max Depth: 0.3196907096m, Max Vel: 0.4469806603m/s, Area: 29650.0m², Vol: 3999.5m³

Step 2900/19999, Sim Time: 2625.768s (+7.788e-01s), Max Depth: 0.3303555327m, Max Vel: 0.4471332848m/s, Area: 30900.0m², Vol: 4236.5m³

Step 3000/19999, Sim Time: 2703.264s (+7.721e-01s), Max Depth: 0.3374031308m, Max Vel: 0.4474247706m/s, Area: 32125.0m², Vol: 4481.0m³

Step 3100/19999, Sim Time: 2780.317s (+7.693e-01s), Max Depth: 0.3426772065m, Max Vel: 0.4412521887m/s, Area: 33325.0m², Vol: 4735.2m³

Step 3200/19999, Sim Time: 2857.211s (+7.687e-01s), Max Depth: 0.3476379938m, Max Vel: 0.4299422227m/s, Area: 34725.0m², Vol: 5001.1m³

Step 3300/19999, Sim Time: 2932.884s (+7.467e-01s), Max Depth: 0.3521020336m, Max Vel: 0.4775318323m/s, Area: 36075.0m², Vol: 5272.9m³

Step 3400/19999, Sim Time: 3007.487s (+7.434e-01s), Max Depth: 0.3561837772m, Max Vel: 0.4850125648m/s, Area: 37350.0m², Vol: 5545.0m³

Step 3500/19999, Sim Time: 3081.558s (+7.399e-01s), Max Depth: 0.3600001855m, Max Vel: 0.4861972900m/s, Area: 38650.0m², Vol: 5827.8m³

Step 3600/19999, Sim Time: 3155.377s (+7.378e-01s), Max Depth: 0.3635513893m, Max Vel: 0.4833212994m/s, Area: 40225.0m², Vol: 6125.6m³

Step 3700/19999, Sim Time: 3229.234s (+7.387e-01s), Max Depth: 0.3665146094m, Max Vel: 0.4731704642m/s, Area: 41750.0m², Vol: 6431.2m³

Step 3800/19999, Sim Time: 3302.852s (+7.364e-01s), Max Depth: 0.3693271297m, Max Vel: 0.4728303405m/s, Area: 43200.0m², Vol: 6751.0m³

Step 3900/19999, Sim Time: 3375.903s (+7.302e-01s), Max Depth: 0.3718540870m, Max Vel: 0.4859574129m/s, Area: 44750.0m², Vol: 7083.8m³

Step 4000/19999, Sim Time: 3448.560s (+7.249e-01s), Max Depth: 0.3741861528m, Max Vel: 0.4981654944m/s, Area: 45900.0m², Vol: 7436.1m³

Step 4100/19999, Sim Time: 3520.903s (+7.236e-01s), Max Depth: 0.3763862877m, Max Vel: 0.4966960726m/s, Area: 47400.0m², Vol: 7794.2m³

Step 4200/19999, Sim Time: 3593.477s (+7.277e-01s), Max Depth: 0.3782970041m, Max Vel: 0.4783880939m/s, Area: 49000.0m², Vol: 8150.7m³

Step 4300/19999, Sim Time: 3665.900s (+7.187e-01s), Max Depth: 0.3798678096m, Max Vel: 0.5066486707m/s, Area: 50750.0m², Vol: 8515.8m³

Step 4400/19999, Sim Time: 3737.276s (+7.073e-01s), Max Depth: 0.3813345759m, Max Vel: 0.5404832194m/s, Area: 52300.0m², Vol: 8902.0m³

Step 4500/19999, Sim Time: 3807.842s (+7.058e-01s), Max Depth: 0.3824214128m, Max Vel: 0.5426442349m/s, Area: 53975.0m², Vol: 9292.8m³

Step 4600/19999, Sim Time: 3878.532s (+7.076e-01s), Max Depth: 0.3893015703m, Max Vel: 0.5188344673m/s, Area: 55750.0m², Vol: 9697.3m³

Step 4700/19999, Sim Time: 3949.146s (+7.045e-01s), Max Depth: 0.3978554687m, Max Vel: 0.5085271656m/s, Area: 57350.0m², Vol: 10116.9m³

Step 4800/19999, Sim Time: 4019.540s (+7.038e-01s), Max Depth: 0.4044508854m, Max Vel: 0.4947424301m/s, Area: 58950.0m², Vol: 10554.4m³

Step 4900/19999, Sim Time: 4089.546s (+6.990e-01s), Max Depth: 0.4106421722m, Max Vel: 0.4970008611m/s, Area: 60700.0m², Vol: 11000.0m³

Step 5000/19999, Sim Time: 4159.270s (+6.951e-01s), Max Depth: 0.4160452922m, Max Vel: 0.4974216634m/s, Area: 62550.0m², Vol: 11467.5m³

Step 5100/19999, Sim Time: 4228.601s (+6.919e-01s), Max Depth: 0.4206952011m, Max Vel: 0.4977205523m/s, Area: 64350.0m², Vol: 11949.5m³

Step 5200/19999, Sim Time: 4297.135s (+6.876e-01s), Max Depth: 0.4267157234m, Max Vel: 0.4998158026m/s, Area: 66000.0m², Vol: 12444.2m³

Step 5300/19999, Sim Time: 4365.713s (+6.794e-01s), Max Depth: 0.4324782006m, Max Vel: 0.5190165950m/s, Area: 67725.0m², Vol: 12955.2m³

Step 5400/19999, Sim Time: 4432.758s (+6.656e-01s), Max Depth: 0.4381236842m, Max Vel: 0.5560909131m/s, Area: 69800.0m², Vol: 13478.6m³

Step 5500/19999, Sim Time: 4498.733s (+6.523e-01s), Max Depth: 0.4433199597m, Max Vel: 0.6022011021m/s, Area: 71675.0m², Vol: 14017.7m³

Step 5600/19999, Sim Time: 4564.212s (+6.532e-01s), Max Depth: 0.4481104117m, Max Vel: 0.5825409977m/s, Area: 73375.0m², Vol: 14575.5m³

Step 5700/19999, Sim Time: 4629.313s (+6.493e-01s), Max Depth: 0.4524609463m, Max Vel: 0.5884059917m/s, Area: 75175.0m², Vol: 15147.7m³

Step 5800/19999, Sim Time: 4694.179s (+6.486e-01s), Max Depth: 0.4563034724m, Max Vel: 0.5822972571m/s, Area: 77000.0m², Vol: 15736.3m³

Step 5900/19999, Sim Time: 4759.062s (+6.490e-01s), Max Depth: 0.4595093476m, Max Vel: 0.5731548352m/s, Area: 78900.0m², Vol: 16331.5m³

Step 6000/19999, Sim Time: 4823.919s (+6.496e-01s), Max Depth: 0.4619809653m, Max Vel: 0.5650150445m/s, Area: 80650.0m², Vol: 16942.3m³

Step 6100/19999, Sim Time: 4888.720s (+6.429e-01s), Max Depth: 0.4648876959m, Max Vel: 0.5856460079m/s, Area: 82700.0m², Vol: 17559.0m³

Step 6200/19999, Sim Time: 4952.958s (+6.396e-01s), Max Depth: 0.4683343738m, Max Vel: 0.5929344853m/s, Area: 84950.0m², Vol: 18185.0m³

Step 6300/19999, Sim Time: 5016.729s (+6.365e-01s), Max Depth: 0.4713652242m, Max Vel: 0.5989401184m/s, Area: 86775.0m², Vol: 18813.1m³

Step 6400/19999, Sim Time: 5080.315s (+6.354e-01s), Max Depth: 0.4751863376m, Max Vel: 0.5950777108m/s, Area: 88900.0m², Vol: 19457.7m³

Step 6500/19999, Sim Time: 5143.717s (+6.329e-01s), Max Depth: 0.4865308793m, Max Vel: 0.5804781739m/s, Area: 91050.0m², Vol: 20111.0m³

Step 6600/19999, Sim Time: 5206.778s (+6.326e-01s), Max Depth: 0.4962743434m, Max Vel: 0.5597698310m/s, Area: 93225.0m², Vol: 20784.0m³

Step 6700/19999, Sim Time: 5269.686s (+6.267e-01s), Max Depth: 0.5047020836m, Max Vel: 0.5673149015m/s, Area: 95275.0m², Vol: 21479.1m³

Step 6800/19999, Sim Time: 5331.599s (+6.117e-01s), Max Depth: 0.5116486714m, Max Vel: 0.6233042419m/s, Area: 97550.0m², Vol: 22169.1m³

Step 6900/19999, Sim Time: 5392.148s (+6.001e-01s), Max Depth: 0.5181144139m, Max Vel: 0.6620492694m/s, Area: 99800.0m², Vol: 22858.0m³

Step 7000/19999, Sim Time: 5452.051s (+5.986e-01s), Max Depth: 0.5241570280m, Max Vel: 0.6561762728m/s, Area: 102000.0m², Vol: 23551.2m³

Step 7100/19999, Sim Time: 5511.861s (+5.981e-01s), Max Depth: 0.5297107344m, Max Vel: 0.6464530952m/s, Area: 103975.0m², Vol: 24262.0m³

Step 7200/19999, Sim Time: 5571.504s (+5.954e-01s), Max Depth: 0.5348100614m, Max Vel: 0.6481609293m/s, Area: 106200.0m², Vol: 24979.0m³

Step 7300/19999, Sim Time: 5630.938s (+5.934e-01s), Max Depth: 0.5393639514m, Max Vel: 0.6489496753m/s, Area: 108300.0m², Vol: 25715.6m³

Step 7400/19999, Sim Time: 5690.219s (+5.943e-01s), Max Depth: 0.5434049017m, Max Vel: 0.6354882081m/s, Area: 110375.0m², Vol: 26465.4m³

Step 7500/19999, Sim Time: 5749.745s (+5.954e-01s), Max Depth: 0.5469867616m, Max Vel: 0.6226245404m/s, Area: 112500.0m², Vol: 27246.9m³

Step 7600/19999, Sim Time: 5808.996s (+5.843e-01s), Max Depth: 0.5502212615m, Max Vel: 0.6778589039m/s, Area: 114750.0m², Vol: 28046.6m³

Step 7700/19999, Sim Time: 5867.230s (+5.825e-01s), Max Depth: 0.5529904963m, Max Vel: 0.6753573500m/s, Area: 116750.0m², Vol: 28857.5m³

Step 7800/19999, Sim Time: 5925.357s (+5.823e-01s), Max Depth: 0.5553596599m, Max Vel: 0.6707206066m/s, Area: 119125.0m², Vol: 29666.4m³

Step 7900/19999, Sim Time: 5983.772s (+5.853e-01s), Max Depth: 0.5574920350m, Max Vel: 0.6513363627m/s, Area: 120975.0m², Vol: 30438.3m³

Step 8000/19999, Sim Time: 6042.334s (+5.857e-01s), Max Depth: 0.5594957976m, Max Vel: 0.6452232986m/s, Area: 122075.0m², Vol: 31064.7m³

Step 8100/19999, Sim Time: 6100.935s (+5.864e-01s), Max Depth: 0.5614594540m, Max Vel: 0.6374797347m/s, Area: 123125.0m², Vol: 31610.6m³

Step 8200/19999, Sim Time: 6159.573s (+5.865e-01s), Max Depth: 0.5634061275m, Max Vel: 0.6329828800m/s, Area: 123700.0m², Vol: 32113.2m³

Step 8300/19999, Sim Time: 6218.243s (+5.874e-01s), Max Depth: 0.5653177623m, Max Vel: 0.6243576772m/s, Area: 124275.0m², Vol: 32573.4m³

Step 8400/19999, Sim Time: 6277.057s (+5.888e-01s), Max Depth: 0.5670875164m, Max Vel: 0.6134688465m/s, Area: 124950.0m², Vol: 32999.9m³

Step 8500/19999, Sim Time: 6335.984s (+5.898e-01s), Max Depth: 0.5687954134m, Max Vel: 0.6050292658m/s, Area: 125350.0m², Vol: 33424.8m³

Step 8600/19999, Sim Time: 6395.065s (+5.924e-01s), Max Depth: 0.5703726312m, Max Vel: 0.5881687326m/s, Area: 125825.0m², Vol: 33859.8m³

Step 8700/19999, Sim Time: 6454.320s (+5.910e-01s), Max Depth: 0.5813931895m, Max Vel: 0.5731015812m/s, Area: 126175.0m², Vol: 34258.3m³

Step 8800/19999, Sim Time: 6513.215s (+5.871e-01s), Max Depth: 0.5925583594m, Max Vel: 0.5697403946m/s, Area: 126450.0m², Vol: 34638.4m³

Step 8900/19999, Sim Time: 6571.754s (+5.833e-01s), Max Depth: 0.6033154601m, Max Vel: 0.5674959745m/s, Area: 126750.0m², Vol: 34981.7m³

Step 9000/19999, Sim Time: 6629.847s (+5.785e-01s), Max Depth: 0.6135231937m, Max Vel: 0.5719768359m/s, Area: 127000.0m², Vol: 35289.3m³

Step 9100/19999, Sim Time: 6687.509s (+5.752e-01s), Max Depth: 0.6218374399m, Max Vel: 0.5729111827m/s, Area: 127350.0m², Vol: 35593.2m³

Step 9200/19999, Sim Time: 6744.996s (+5.756e-01s), Max Depth: 0.6291041631m, Max Vel: 0.5559102549m/s, Area: 127650.0m², Vol: 35940.0m³

Step 9300/19999, Sim Time: 6802.673s (+5.760e-01s), Max Depth: 0.6376405189m, Max Vel: 0.5371936168m/s, Area: 127875.0m², Vol: 36285.8m³

Step 9400/19999, Sim Time: 6860.047s (+5.713e-01s), Max Depth: 0.6510311983m, Max Vel: 0.5361946251m/s, Area: 128350.0m², Vol: 36590.3m³

Step 9500/19999, Sim Time: 6916.737s (+5.624e-01s), Max Depth: 0.6765902375m, Max Vel: 0.5357134469m/s, Area: 128825.0m², Vol: 36894.7m³

Step 9600/19999, Sim Time: 6972.690s (+5.573e-01s), Max Depth: 0.6918089534m, Max Vel: 0.5350289180m/s, Area: 129050.0m², Vol: 37175.5m³

Step 9700/19999, Sim Time: 7028.274s (+5.543e-01s), Max Depth: 0.7014509382m, Max Vel: 0.5338974841m/s, Area: 129200.0m², Vol: 37419.8m³

Step 9800/19999, Sim Time: 7083.559s (+5.516e-01s), Max Depth: 0.7105199338m, Max Vel: 0.5326518925m/s, Area: 129425.0m², Vol: 37645.0m³

Step 9900/19999, Sim Time: 7138.638s (+5.503e-01s), Max Depth: 0.7152159302m, Max Vel: 0.5315190688m/s, Area: 129650.0m², Vol: 37845.8m³

Step 10000/19999, Sim Time: 7193.646s (+5.500e-01s), Max Depth: 0.7167995083m, Max Vel: 0.5300101690m/s, Area: 129775.0m², Vol: 38013.4m³

Step 10100/19999, Sim Time: 7248.589s (+5.485e-01s), Max Depth: 0.7165896109m, Max Vel: 0.5392740960m/s, Area: 129800.0m², Vol: 38149.9m³

Step 10200/19999, Sim Time: 7303.355s (+5.469e-01s), Max Depth: 0.7160152500m, Max Vel: 0.5494001844m/s, Area: 129850.0m², Vol: 38262.0m³

Step 10300/19999, Sim Time: 7357.993s (+5.459e-01s), Max Depth: 0.7157701821m, Max Vel: 0.5561096687m/s, Area: 129950.0m², Vol: 38358.7m³

Step 10400/19999, Sim Time: 7412.538s (+5.451e-01s), Max Depth: 0.7157616758m, Max Vel: 0.5606516900m/s, Area: 129975.0m², Vol: 38443.3m³

Step 10500/19999, Sim Time: 7467.019s (+5.446e-01s), Max Depth: 0.7158696895m, Max Vel: 0.5635703188m/s, Area: 130100.0m², Vol: 38517.7m³

Step 10600/19999, Sim Time: 7521.455s (+5.442e-01s), Max Depth: 0.7160692554m, Max Vel: 0.5652445171m/s, Area: 130100.0m², Vol: 38584.7m³

Step 10700/19999, Sim Time: 7575.867s (+5.440e-01s), Max Depth: 0.7163924546m, Max Vel: 0.5656846076m/s, Area: 130150.0m², Vol: 38645.6m³

Step 10800/19999, Sim Time: 7630.268s (+5.440e-01s), Max Depth: 0.7168377914m, Max Vel: 0.5650162014m/s, Area: 130200.0m², Vol: 38702.4m³

Step 10900/19999, Sim Time: 7684.673s (+5.441e-01s), Max Depth: 0.7174574735m, Max Vel: 0.5632862144m/s, Area: 130225.0m², Vol: 38756.7m³

Step 11000/19999, Sim Time: 7739.096s (+5.444e-01s), Max Depth: 0.7181769325m, Max Vel: 0.5604469272m/s, Area: 130250.0m², Vol: 38809.6m³

Step 11100/19999, Sim Time: 7793.553s (+5.448e-01s), Max Depth: 0.7191055965m, Max Vel: 0.5560240283m/s, Area: 130300.0m², Vol: 38863.8m³

Step 11200/19999, Sim Time: 7848.071s (+5.456e-01s), Max Depth: 0.7201351717m, Max Vel: 0.5494945987m/s, Area: 130375.0m², Vol: 38921.7m³

Step 11300/19999, Sim Time: 7902.666s (+5.462e-01s), Max Depth: 0.7211973526m, Max Vel: 0.5439293823m/s, Area: 130425.0m², Vol: 38985.4m³

Step 11400/19999, Sim Time: 7957.329s (+5.472e-01s), Max Depth: 0.7222314060m, Max Vel: 0.5363814328m/s, Area: 130550.0m², Vol: 39063.0m³

Step 11500/19999, Sim Time: 8012.131s (+5.487e-01s), Max Depth: 0.7236280493m, Max Vel: 0.5251999512m/s, Area: 130600.0m², Vol: 39166.2m³

Step 11600/19999, Sim Time: 8066.977s (+5.476e-01s), Max Depth: 0.7272399828m, Max Vel: 0.5251827955m/s, Area: 130650.0m², Vol: 39274.9m³

Step 11700/19999, Sim Time: 8121.642s (+5.460e-01s), Max Depth: 0.7320576338m, Max Vel: 0.5251355899m/s, Area: 130700.0m², Vol: 39364.6m³

Step 11800/19999, Sim Time: 8176.233s (+5.460e-01s), Max Depth: 0.7321931047m, Max Vel: 0.5249906110m/s, Area: 130750.0m², Vol: 39434.6m³

Step 11900/19999, Sim Time: 8230.848s (+5.463e-01s), Max Depth: 0.7313994803m, Max Vel: 0.5246367081m/s, Area: 130825.0m², Vol: 39485.6m³

Step 12000/19999, Sim Time: 8285.497s (+5.466e-01s), Max Depth: 0.7306647416m, Max Vel: 0.5240507296m/s, Area: 130925.0m², Vol: 39524.5m³

Step 12100/19999, Sim Time: 8340.176s (+5.469e-01s), Max Depth: 0.7302184282m, Max Vel: 0.5234847713m/s, Area: 130950.0m², Vol: 39556.8m³

Step 12200/19999, Sim Time: 8394.866s (+5.469e-01s), Max Depth: 0.7304259419m, Max Vel: 0.5230622435m/s, Area: 130950.0m², Vol: 39585.5m³

Step 12300/19999, Sim Time: 8449.551s (+5.468e-01s), Max Depth: 0.7308103340m, Max Vel: 0.5229182518m/s, Area: 131050.0m², Vol: 39611.8m³

Step 12400/19999, Sim Time: 8504.226s (+5.467e-01s), Max Depth: 0.7310268231m, Max Vel: 0.5229530757m/s, Area: 131125.0m², Vol: 39636.5m³

Step 12500/19999, Sim Time: 8558.893s (+5.466e-01s), Max Depth: 0.7312660134m, Max Vel: 0.5231176506m/s, Area: 131175.0m², Vol: 39659.0m³

Step 12600/19999, Sim Time: 8613.550s (+5.465e-01s), Max Depth: 0.7315205268m, Max Vel: 0.5232323074m/s, Area: 131175.0m², Vol: 39679.7m³

Step 12700/19999, Sim Time: 8668.197s (+5.464e-01s), Max Depth: 0.7317729094m, Max Vel: 0.5233448534m/s, Area: 131175.0m², Vol: 39698.6m³

Step 12800/19999, Sim Time: 8722.835s (+5.463e-01s), Max Depth: 0.7320082659m, Max Vel: 0.5234308020m/s, Area: 131150.0m², Vol: 39716.1m³

Step 12900/19999, Sim Time: 8777.462s (+5.462e-01s), Max Depth: 0.7322162320m, Max Vel: 0.5237447849m/s, Area: 131125.0m², Vol: 39732.1m³

Step 13000/19999, Sim Time: 8832.079s (+5.461e-01s), Max Depth: 0.7323954093m, Max Vel: 0.5240504101m/s, Area: 131125.0m², Vol: 39746.9m³

Step 13100/19999, Sim Time: 8886.684s (+5.460e-01s), Max Depth: 0.7325720907m, Max Vel: 0.5243799290m/s, Area: 131175.0m², Vol: 39760.6m³

Step 13200/19999, Sim Time: 8941.278s (+5.459e-01s), Max Depth: 0.7327589228m, Max Vel: 0.5246634547m/s, Area: 131125.0m², Vol: 39773.1m³

Step 13300/19999, Sim Time: 8995.862s (+5.458e-01s), Max Depth: 0.7329468822m, Max Vel: 0.5249176701m/s, Area: 131150.0m², Vol: 39784.5m³

Step 13400/19999, Sim Time: 9050.436s (+5.457e-01s), Max Depth: 0.7331386463m, Max Vel: 0.5251409320m/s, Area: 131150.0m², Vol: 39795.0m³

Step 13500/19999, Sim Time: 9105.000s (+5.456e-01s), Max Depth: 0.7333288963m, Max Vel: 0.5253601018m/s, Area: 131175.0m², Vol: 39804.6m³

Step 13600/19999, Sim Time: 9159.555s (+5.455e-01s), Max Depth: 0.7335145720m, Max Vel: 0.5255363454m/s, Area: 131225.0m², Vol: 39813.4m³

Step 13700/19999, Sim Time: 9214.102s (+5.454e-01s), Max Depth: 0.7336908140m, Max Vel: 0.5257006147m/s, Area: 131225.0m², Vol: 39821.5m³

Step 13800/19999, Sim Time: 9268.640s (+5.453e-01s), Max Depth: 0.7338570261m, Max Vel: 0.5258458728m/s, Area: 131225.0m², Vol: 39828.8m³

Step 13900/19999, Sim Time: 9323.171s (+5.453e-01s), Max Depth: 0.7340109054m, Max Vel: 0.5259789036m/s, Area: 131250.0m², Vol: 39835.5m³

Step 14000/19999, Sim Time: 9377.696s (+5.452e-01s), Max Depth: 0.7341511111m, Max Vel: 0.5261046720m/s, Area: 131225.0m², Vol: 39841.5m³

Step 14100/19999, Sim Time: 9432.214s (+5.452e-01s), Max Depth: 0.7342763134m, Max Vel: 0.5262251210m/s, Area: 131225.0m², Vol: 39846.7m³

Step 14200/19999, Sim Time: 9486.726s (+5.451e-01s), Max Depth: 0.7343860500m, Max Vel: 0.5263412973m/s, Area: 131200.0m², Vol: 39851.0m³

Step 14300/19999, Sim Time: 9541.234s (+5.451e-01s), Max Depth: 0.7344799753m, Max Vel: 0.5264537784m/s, Area: 131200.0m², Vol: 39854.6m³

Step 14400/19999, Sim Time: 9595.737s (+5.450e-01s), Max Depth: 0.7345582412m, Max Vel: 0.5265645786m/s, Area: 131175.0m², Vol: 39857.5m³

Step 14500/19999, Sim Time: 9650.235s (+5.450e-01s), Max Depth: 0.7346208019m, Max Vel: 0.5266720585m/s, Area: 131250.0m², Vol: 39860.0m³

Step 14600/19999, Sim Time: 9704.731s (+5.449e-01s), Max Depth: 0.7346676399m, Max Vel: 0.5267751614m/s, Area: 131250.0m², Vol: 39862.0m³

Step 14700/19999, Sim Time: 9759.223s (+5.449e-01s), Max Depth: 0.7346991609m, Max Vel: 0.5268738362m/s, Area: 131225.0m², Vol: 39863.2m³

Step 14800/19999, Sim Time: 9813.713s (+5.449e-01s), Max Depth: 0.7347153894m, Max Vel: 0.5269701007m/s, Area: 131225.0m², Vol: 39863.6m³

Step 14900/19999, Sim Time: 9868.201s (+5.449e-01s), Max Depth: 0.7347170440m, Max Vel: 0.5270681306m/s, Area: 131200.0m², Vol: 39863.2m³

Step 15000/19999, Sim Time: 9922.688s (+5.449e-01s), Max Depth: 0.7347047102m, Max Vel: 0.5271641974m/s, Area: 131200.0m², Vol: 39862.0m³

Step 15100/19999, Sim Time: 9977.173s (+5.449e-01s), Max Depth: 0.7346792162m, Max Vel: 0.5272572373m/s, Area: 131175.0m², Vol: 39860.2m³

Step 15200/19999, Sim Time: 10031.658s (+5.448e-01s), Max Depth: 0.7346413349m, Max Vel: 0.5273456727m/s, Area: 131150.0m², Vol: 39857.6m³

Step 15300/19999, Sim Time: 10086.143s (+5.449e-01s), Max Depth: 0.7345920370m, Max Vel: 0.5274276848m/s, Area: 131150.0m², Vol: 39854.2m³

Step 15400/19999, Sim Time: 10140.628s (+5.448e-01s), Max Depth: 0.7345334755m, Max Vel: 0.5275401809m/s, Area: 131150.0m², Vol: 39850.2m³

Step 15500/19999, Sim Time: 10195.114s (+5.449e-01s), Max Depth: 0.7344650468m, Max Vel: 0.5276077084m/s, Area: 131075.0m², Vol: 39845.5m³

Step 15600/19999, Sim Time: 10249.600s (+5.449e-01s), Max Depth: 0.7343923135m, Max Vel: 0.5276914948m/s, Area: 131075.0m², Vol: 39839.8m³

Step 15700/19999, Sim Time: 10304.088s (+5.449e-01s), Max Depth: 0.7343114964m, Max Vel: 0.5277534893m/s, Area: 131075.0m², Vol: 39833.6m³

Step 15800/19999, Sim Time: 10358.577s (+5.449e-01s), Max Depth: 0.7342258320m, Max Vel: 0.5278107110m/s, Area: 131075.0m², Vol: 39827.2m³

Step 15900/19999, Sim Time: 10413.067s (+5.449e-01s), Max Depth: 0.7341380417m, Max Vel: 0.5278550987m/s, Area: 131075.0m², Vol: 39820.5m³

Step 16000/19999, Sim Time: 10467.560s (+5.449e-01s), Max Depth: 0.7340493547m, Max Vel: 0.5278911984m/s, Area: 131025.0m², Vol: 39813.5m³

Step 16100/19999, Sim Time: 10522.056s (+5.450e-01s), Max Depth: 0.7339598700m, Max Vel: 0.5278831623m/s, Area: 131050.0m², Vol: 39806.4m³

Step 16200/19999, Sim Time: 10576.554s (+5.450e-01s), Max Depth: 0.7338709110m, Max Vel: 0.5279038295m/s, Area: 131025.0m², Vol: 39799.3m³

Step 16300/19999, Sim Time: 10631.054s (+5.450e-01s), Max Depth: 0.7337824824m, Max Vel: 0.5278886818m/s, Area: 131025.0m², Vol: 39792.3m³

Step 16400/19999, Sim Time: 10685.558s (+5.450e-01s), Max Depth: 0.7336999146m, Max Vel: 0.5278804745m/s, Area: 131025.0m², Vol: 39785.4m³

Step 16500/19999, Sim Time: 10740.065s (+5.451e-01s), Max Depth: 0.7336200841m, Max Vel: 0.5278609444m/s, Area: 131000.0m², Vol: 39778.5m³

Step 16600/19999, Sim Time: 10794.574s (+5.451e-01s), Max Depth: 0.7335439567m, Max Vel: 0.5278361613m/s, Area: 131000.0m², Vol: 39771.8m³

Step 16700/19999, Sim Time: 10849.086s (+5.451e-01s), Max Depth: 0.7334721459m, Max Vel: 0.5278032690m/s, Area: 130975.0m², Vol: 39765.2m³

Step 16800/19999, Sim Time: 10903.600s (+5.452e-01s), Max Depth: 0.7334056741m, Max Vel: 0.5277629852m/s, Area: 130925.0m², Vol: 39758.5m³

Step 16900/19999, Sim Time: 10958.118s (+5.452e-01s), Max Depth: 0.7333445111m, Max Vel: 0.5277161132m/s, Area: 130900.0m², Vol: 39752.0m³

Step 17000/19999, Sim Time: 11012.638s (+5.452e-01s), Max Depth: 0.7332885087m, Max Vel: 0.5276640350m/s, Area: 130900.0m², Vol: 39745.6m³

Step 17100/19999, Sim Time: 11067.161s (+5.452e-01s), Max Depth: 0.7332381278m, Max Vel: 0.5276075713m/s, Area: 130875.0m², Vol: 39739.5m³

Step 17200/19999, Sim Time: 11121.686s (+5.453e-01s), Max Depth: 0.7331935315m, Max Vel: 0.5275467166m/s, Area: 130875.0m², Vol: 39733.7m³

Step 17300/19999, Sim Time: 11176.214s (+5.453e-01s), Max Depth: 0.7331547366m, Max Vel: 0.5274823492m/s, Area: 130850.0m², Vol: 39728.0m³

Step 17400/19999, Sim Time: 11230.743s (+5.453e-01s), Max Depth: 0.7331216959m, Max Vel: 0.5274136917m/s, Area: 130850.0m², Vol: 39722.6m³

Step 17500/19999, Sim Time: 11285.275s (+5.453e-01s), Max Depth: 0.7330944685m, Max Vel: 0.5273436834m/s, Area: 130825.0m², Vol: 39717.6m³

Step 17600/19999, Sim Time: 11339.809s (+5.453e-01s), Max Depth: 0.7330732153m, Max Vel: 0.5272724118m/s, Area: 130825.0m², Vol: 39713.1m³

Step 17700/19999, Sim Time: 11394.345s (+5.454e-01s), Max Depth: 0.7330579789m, Max Vel: 0.5272009707m/s, Area: 130825.0m², Vol: 39709.2m³

Step 17800/19999, Sim Time: 11448.882s (+5.454e-01s), Max Depth: 0.7330487354m, Max Vel: 0.5271298444m/s, Area: 130825.0m², Vol: 39705.8m³

Step 17900/19999, Sim Time: 11503.421s (+5.454e-01s), Max Depth: 0.7330453786m, Max Vel: 0.5270591586m/s, Area: 130825.0m², Vol: 39703.0m³

Step 18000/19999, Sim Time: 11557.961s (+5.454e-01s), Max Depth: 0.7330476896m, Max Vel: 0.5269888434m/s, Area: 130800.0m², Vol: 39700.7m³

Step 18100/19999, Sim Time: 11612.501s (+5.454e-01s), Max Depth: 0.7330554154m, Max Vel: 0.5269192678m/s, Area: 130750.0m², Vol: 39698.6m³

Step 18200/19999, Sim Time: 11667.043s (+5.454e-01s), Max Depth: 0.7330682594m, Max Vel: 0.5268502993m/s, Area: 130750.0m², Vol: 39696.8m³

Step 18300/19999, Sim Time: 11721.586s (+5.454e-01s), Max Depth: 0.7330858821m, Max Vel: 0.5267821920m/s, Area: 130700.0m², Vol: 39695.3m³

Step 18400/19999, Sim Time: 11776.129s (+5.454e-01s), Max Depth: 0.7331079071m, Max Vel: 0.5267146805m/s, Area: 130675.0m², Vol: 39694.0m³

Step 18500/19999, Sim Time: 11830.672s (+5.454e-01s), Max Depth: 0.7331339285m, Max Vel: 0.5266481213m/s, Area: 130600.0m², Vol: 39692.7m³

Step 18600/19999, Sim Time: 11885.216s (+5.454e-01s), Max Depth: 0.7331635920m, Max Vel: 0.5265826513m/s, Area: 130625.0m², Vol: 39691.7m³

Step 18700/19999, Sim Time: 11939.759s (+5.454e-01s), Max Depth: 0.7331965316m, Max Vel: 0.5265184073m/s, Area: 130625.0m², Vol: 39691.0m³

Step 18800/19999, Sim Time: 11994.303s (+5.454e-01s), Max Depth: 0.7332322565m, Max Vel: 0.5264522446m/s, Area: 130625.0m², Vol: 39690.7m³

Step 18900/19999, Sim Time: 12048.847s (+5.454e-01s), Max Depth: 0.7332700467m, Max Vel: 0.5263863480m/s, Area: 130600.0m², Vol: 39690.7m³

Step 19000/19999, Sim Time: 12103.391s (+5.454e-01s), Max Depth: 0.7333098494m, Max Vel: 0.5263215649m/s, Area: 130650.0m², Vol: 39691.1m³

Step 19100/19999, Sim Time: 12157.934s (+5.454e-01s), Max Depth: 0.7333514688m, Max Vel: 0.5262590183m/s, Area: 130650.0m², Vol: 39691.9m³

Step 19200/19999, Sim Time: 12212.477s (+5.454e-01s), Max Depth: 0.7333946851m, Max Vel: 0.5261992596m/s, Area: 130625.0m², Vol: 39693.0m³

Step 19300/19999, Sim Time: 12267.020s (+5.454e-01s), Max Depth: 0.7334392710m, Max Vel: 0.5261424209m/s, Area: 130675.0m², Vol: 39694.6m³

Step 19400/19999, Sim Time: 12321.563s (+5.454e-01s), Max Depth: 0.7334849470m, Max Vel: 0.5260885293m/s, Area: 130725.0m², Vol: 39696.6m³

Step 19500/19999, Sim Time: 12376.104s (+5.454e-01s), Max Depth: 0.7335314523m, Max Vel: 0.5260375832m/s, Area: 130775.0m², Vol: 39699.3m³

Step 19600/19999, Sim Time: 12430.646s (+5.454e-01s), Max Depth: 0.7335785129m, Max Vel: 0.5259895917m/s, Area: 130800.0m², Vol: 39702.7m³

Step 19700/19999, Sim Time: 12485.186s (+5.454e-01s), Max Depth: 0.7336258598m, Max Vel: 0.5259445568m/s, Area: 130825.0m², Vol: 39706.5m³

Step 19800/19999, Sim Time: 12539.726s (+5.454e-01s), Max Depth: 0.7336732337m, Max Vel: 0.5259024719m/s, Area: 130800.0m², Vol: 39710.6m³

Step 19900/19999, Sim Time: 12594.265s (+5.454e-01s), Max Depth: 0.7337203824m, Max Vel: 0.5258633370m/s, Area: 130825.0m², Vol: 39714.9m³

Step 19999/19999, Sim Time: 12648.258s (+5.454e-01s), Max Depth: 0.7337666009m, Max Vel: 0.5258274906m/s, Area: 130825.0m², Vol: 39719.5m³

Simulation finished 20000 steps in 170.05 seconds (wall clock).

Final Maximum Flood Extent Area: 134625.00 m²

Peak Recorded Water Depth Anywhere: 0.735 m

Phase 1 simulation complete. Final sim time: 12648.26s

End of Phase 1 at Sim Time: 12648.26s. Stored steady\_state\_h.

--- Starting Phase 2: Rainfall & WSE Monitoring (30000 steps) ---

Added rainfall: rate=2.8971354166666665e-06 m/s, duration=30000 steps

Added rainfall for Phase 2: 10.4296875 mm/hr

Step 0/29999, Sim Time: 0.545s (+5.454e-01s), Max Depth: 0.7337685967m, Max Vel: 0.5258271432m/s, Area: 130825.0m², Vol: 39721.1m³

Step 100/29999, Sim Time: 55.016s (+5.386e-01s), Max Depth: 0.7339572404m, Max Vel: 0.5682981558m/s, Area: 130850.0m², Vol: 39885.5m³

Step 200/29999, Sim Time: 106.675s (+4.799e-01s), Max Depth: 0.8464679490m, Max Vel: 0.7712617944m/s, Area: 130850.0m², Vol: 40040.6m³

Step 300/29999, Sim Time: 151.360s (+4.261e-01s), Max Depth: 1.0051672244m, Max Vel: 0.9676969482m/s, Area: 130925.0m², Vol: 40176.4m³

Step 400/29999, Sim Time: 196.608s (+5.086e-01s), Max Depth: 0.7344456478m, Max Vel: 0.7569467153m/s, Area: 131050.0m², Vol: 40317.7m³

Step 500/29999, Sim Time: 249.962s (+5.450e-01s), Max Depth: 0.7346227363m, Max Vel: 0.5264315427m/s, Area: 131275.0m², Vol: 40482.3m³

Step 600/29999, Sim Time: 265.922s (+1.380e-01s), Max Depth: 0.7346738594m, Max Vel: 9.9999999990m/s, Area: 131300.0m², Vol: 40535.2m³

Step 700/29999, Sim Time: 279.719s (+1.380e-01s), Max Depth: 0.7347172039m, Max Vel: 9.9999999990m/s, Area: 131375.0m², Vol: 40579.8m³

Step 800/29999, Sim Time: 293.515s (+1.380e-01s), Max Depth: 0.7347596606m, Max Vel: 9.9999999990m/s, Area: 131425.0m², Vol: 40623.9m³

Step 900/29999, Sim Time: 307.311s (+1.380e-01s), Max Depth: 0.7348011723m, Max Vel: 9.9999999990m/s, Area: 131475.0m², Vol: 40667.5m³

Step 1000/29999, Sim Time: 321.107s (+1.380e-01s), Max Depth: 0.7348416428m, Max Vel: 9.9999999990m/s, Area: 131525.0m², Vol: 40711.6m³

Step 1100/29999, Sim Time: 334.903s (+1.380e-01s), Max Depth: 0.7348810614m, Max Vel: 9.9999999990m/s, Area: 131575.0m², Vol: 40756.2m³

Step 1200/29999, Sim Time: 348.698s (+1.380e-01s), Max Depth: 0.7349194577m, Max Vel: 9.9999999990m/s, Area: 131625.0m², Vol: 40801.6m³

Step 1300/29999, Sim Time: 362.494s (+1.380e-01s), Max Depth: 0.7349567754m, Max Vel: 9.9999999990m/s, Area: 131700.0m², Vol: 40846.7m³

Step 1400/29999, Sim Time: 376.290s (+1.380e-01s), Max Depth: 0.7349929640m, Max Vel: 9.9999999990m/s, Area: 131750.0m², Vol: 40890.1m³

Step 1500/29999, Sim Time: 390.085s (+1.380e-01s), Max Depth: 0.7350279863m, Max Vel: 9.9999999990m/s, Area: 131800.0m², Vol: 40933.8m³

Step 1600/29999, Sim Time: 403.881s (+1.380e-01s), Max Depth: 0.7350618094m, Max Vel: 9.9999999990m/s, Area: 131850.0m², Vol: 40977.8m³

Step 1700/29999, Sim Time: 417.676s (+1.380e-01s), Max Depth: 0.7350944070m, Max Vel: 9.9999999990m/s, Area: 131850.0m², Vol: 41022.4m³

Step 1800/29999, Sim Time: 431.472s (+1.380e-01s), Max Depth: 0.7351257769m, Max Vel: 9.9999999990m/s, Area: 131950.0m², Vol: 41067.4m³

Step 1900/29999, Sim Time: 445.267s (+1.380e-01s), Max Depth: 0.7351559080m, Max Vel: 9.9999999990m/s, Area: 132100.0m², Vol: 41112.4m³

Step 2000/29999, Sim Time: 459.062s (+1.380e-01s), Max Depth: 0.7351847646m, Max Vel: 9.9999999990m/s, Area: 132125.0m², Vol: 41157.1m³

Step 2100/29999, Sim Time: 472.857s (+1.380e-01s), Max Depth: 0.7352123100m, Max Vel: 9.9999999990m/s, Area: 132200.0m², Vol: 41201.4m³

Step 2200/29999, Sim Time: 486.653s (+1.380e-01s), Max Depth: 0.7352385196m, Max Vel: 9.9999999990m/s, Area: 132375.0m², Vol: 41245.0m³

Step 2300/29999, Sim Time: 500.448s (+1.380e-01s), Max Depth: 0.7352633856m, Max Vel: 9.9999999990m/s, Area: 132375.0m², Vol: 41288.3m³

Step 2400/29999, Sim Time: 514.243s (+1.380e-01s), Max Depth: 0.7352869102m, Max Vel: 9.9999999990m/s, Area: 132575.0m², Vol: 41331.3m³

Step 2500/29999, Sim Time: 528.038s (+1.379e-01s), Max Depth: 0.7353090943m, Max Vel: 9.9999999990m/s, Area: 132575.0m², Vol: 41373.7m³

Step 2600/29999, Sim Time: 541.833s (+1.379e-01s), Max Depth: 0.7353304031m, Max Vel: 9.9999999990m/s, Area: 132550.0m², Vol: 41415.8m³

Step 2700/29999, Sim Time: 555.628s (+1.379e-01s), Max Depth: 0.7353508854m, Max Vel: 9.9999999990m/s, Area: 132625.0m², Vol: 41457.8m³

Step 2800/29999, Sim Time: 569.422s (+1.379e-01s), Max Depth: 0.7353700357m, Max Vel: 9.9999999990m/s, Area: 132675.0m², Vol: 41499.6m³

Step 2900/29999, Sim Time: 583.217s (+1.379e-01s), Max Depth: 0.7353875764m, Max Vel: 9.9999999990m/s, Area: 132675.0m², Vol: 41540.9m³

Step 3000/29999, Sim Time: 597.012s (+1.379e-01s), Max Depth: 0.7354023060m, Max Vel: 9.9999999990m/s, Area: 132725.0m², Vol: 41581.2m³

Step 3100/29999, Sim Time: 610.807s (+1.379e-01s), Max Depth: 0.7354164049m, Max Vel: 9.9999999990m/s, Area: 132725.0m², Vol: 41621.8m³

Step 3200/29999, Sim Time: 624.602s (+1.379e-01s), Max Depth: 0.7354294093m, Max Vel: 9.9999999990m/s, Area: 132725.0m², Vol: 41662.9m³

Step 3300/29999, Sim Time: 640.821s (+5.140e-01s), Max Depth: 0.7354427495m, Max Vel: 0.7196783872m/s, Area: 132675.0m², Vol: 41715.2m³

Step 3400/29999, Sim Time: 668.833s (+1.384e-01s), Max Depth: 0.7354614085m, Max Vel: 9.9999999990m/s, Area: 132775.0m², Vol: 41795.1m³

Step 3500/29999, Sim Time: 703.616s (+5.163e-01s), Max Depth: 0.7354769842m, Max Vel: 0.7033003742m/s, Area: 132700.0m², Vol: 41895.4m³

Step 3600/29999, Sim Time: 755.265s (+5.158e-01s), Max Depth: 0.7354849884m, Max Vel: 0.7065162291m/s, Area: 132775.0m², Vol: 42047.2m³

Step 3700/29999, Sim Time: 806.771s (+4.957e-01s), Max Depth: 0.7354761149m, Max Vel: 1.1152689028m/s, Area: 132950.0m², Vol: 42199.4m³

Step 3800/29999, Sim Time: 835.364s (+5.137e-01s), Max Depth: 0.7354639186m, Max Vel: 0.7206513996m/s, Area: 133150.0m², Vol: 42289.7m³

Step 3900/29999, Sim Time: 883.681s (+5.159e-01s), Max Depth: 0.7354331866m, Max Vel: 0.7055508734m/s, Area: 133250.0m², Vol: 42427.6m³

Step 4000/29999, Sim Time: 935.207s (+5.147e-01s), Max Depth: 0.7353864387m, Max Vel: 0.7144727274m/s, Area: 133250.0m², Vol: 42578.8m³

Step 4100/29999, Sim Time: 986.599s (+5.136e-01s), Max Depth: 0.7353268036m, Max Vel: 0.7213465777m/s, Area: 133350.0m², Vol: 42729.4m³

Step 4200/29999, Sim Time: 1022.013s (+1.380e-01s), Max Depth: 0.7352789525m, Max Vel: 9.9999999998m/s, Area: 133400.0m², Vol: 42837.2m³

Step 4300/29999, Sim Time: 1071.867s (+5.153e-01s), Max Depth: 0.7352040579m, Max Vel: 0.7104016871m/s, Area: 133600.0m², Vol: 42983.5m³

Step 4400/29999, Sim Time: 1123.270s (+5.136e-01s), Max Depth: 0.7351173626m, Max Vel: 0.7218852366m/s, Area: 133675.0m², Vol: 43135.8m³

Step 4500/29999, Sim Time: 1174.589s (+5.124e-01s), Max Depth: 0.7350245175m, Max Vel: 0.7302161398m/s, Area: 133700.0m², Vol: 43287.9m³

Step 4600/29999, Sim Time: 1225.850s (+5.127e-01s), Max Depth: 0.7349242968m, Max Vel: 0.7282308436m/s, Area: 133775.0m², Vol: 43441.4m³

Step 4700/29999, Sim Time: 1277.118s (+5.125e-01s), Max Depth: 0.7348248834m, Max Vel: 0.7300957064m/s, Area: 133825.0m², Vol: 43596.4m³

Step 4800/29999, Sim Time: 1328.360s (+5.123e-01s), Max Depth: 0.7347147399m, Max Vel: 0.7311297612m/s, Area: 133875.0m², Vol: 43752.4m³

Step 4900/29999, Sim Time: 1379.574s (+5.116e-01s), Max Depth: 0.7345970095m, Max Vel: 0.7362338492m/s, Area: 133975.0m², Vol: 43909.2m³

Step 5000/29999, Sim Time: 1430.275s (+3.734e-01s), Max Depth: 0.7344728560m, Max Vel: 2.2305699925m/s, Area: 134100.0m², Vol: 44064.9m³

Step 5100/29999, Sim Time: 1454.008s (+5.103e-01s), Max Depth: 0.7344118866m, Max Vel: 0.7441784512m/s, Area: 134175.0m², Vol: 44144.5m³

Step 5200/29999, Sim Time: 1505.177s (+5.120e-01s), Max Depth: 0.7342771624m, Max Vel: 0.7342051364m/s, Area: 134300.0m², Vol: 44300.6m³

Step 5300/29999, Sim Time: 1538.653s (+1.380e-01s), Max Depth: 0.7341860616m, Max Vel: 9.9999999991m/s, Area: 134375.0m², Vol: 44405.4m³

Step 5400/29999, Sim Time: 1578.182s (+5.151e-01s), Max Depth: 0.7340767893m, Max Vel: 0.7129539434m/s, Area: 134425.0m², Vol: 44531.7m³

Step 5500/29999, Sim Time: 1629.708s (+5.156e-01s), Max Depth: 0.7339317594m, Max Vel: 0.7119005255m/s, Area: 134600.0m², Vol: 44689.9m³

Step 5600/29999, Sim Time: 1681.403s (+5.176e-01s), Max Depth: 0.7337846621m, Max Vel: 0.6977689438m/s, Area: 134700.0m², Vol: 44850.0m³

Step 5700/29999, Sim Time: 1733.222s (+5.188e-01s), Max Depth: 0.7336371028m, Max Vel: 0.6903602931m/s, Area: 134825.0m², Vol: 45011.7m³

Step 5800/29999, Sim Time: 1785.142s (+5.197e-01s), Max Depth: 0.7334901614m, Max Vel: 0.6847057237m/s, Area: 134900.0m², Vol: 45174.7m³

Step 5900/29999, Sim Time: 1837.139s (+5.204e-01s), Max Depth: 0.7333449973m, Max Vel: 0.6808737634m/s, Area: 135025.0m², Vol: 45338.9m³

Step 6000/29999, Sim Time: 1889.199s (+5.208e-01s), Max Depth: 0.7332026307m, Max Vel: 0.6782719869m/s, Area: 135175.0m², Vol: 45504.3m³

Step 6100/29999, Sim Time: 1941.275s (+5.208e-01s), Max Depth: 0.7330640048m, Max Vel: 0.6784074655m/s, Area: 135250.0m², Vol: 45670.6m³

Step 6200/29999, Sim Time: 1993.428s (+5.223e-01s), Max Depth: 0.7329297999m, Max Vel: 0.6689655099m/s, Area: 135300.0m², Vol: 45837.6m³

Step 6300/29999, Sim Time: 2045.720s (+5.235e-01s), Max Depth: 0.7328003178m, Max Vel: 0.6618680974m/s, Area: 135375.0m², Vol: 46005.9m³

Step 6400/29999, Sim Time: 2098.082s (+5.240e-01s), Max Depth: 0.7326761660m, Max Vel: 0.6587876286m/s, Area: 135525.0m², Vol: 46175.1m³

Step 6500/29999, Sim Time: 2150.518s (+5.249e-01s), Max Depth: 0.7325578931m, Max Vel: 0.6530069166m/s, Area: 135700.0m², Vol: 46345.3m³

Step 6600/29999, Sim Time: 2203.061s (+5.260e-01s), Max Depth: 0.7324466498m, Max Vel: 0.6464773594m/s, Area: 135850.0m², Vol: 46516.7m³

Step 6700/29999, Sim Time: 2255.705s (+5.268e-01s), Max Depth: 0.7323426430m, Max Vel: 0.6412948558m/s, Area: 135975.0m², Vol: 46690.1m³

Step 6800/29999, Sim Time: 2308.429s (+5.276e-01s), Max Depth: 0.7322439338m, Max Vel: 0.6369212449m/s, Area: 136150.0m², Vol: 46864.9m³

Step 6900/29999, Sim Time: 2334.153s (+1.380e-01s), Max Depth: 0.7321979764m, Max Vel: 9.9999999990m/s, Area: 136175.0m², Vol: 46952.4m³

Step 7000/29999, Sim Time: 2373.415s (+5.278e-01s), Max Depth: 0.7321303976m, Max Vel: 0.6353841996m/s, Area: 136175.0m², Vol: 47087.6m³

Step 7100/29999, Sim Time: 2407.456s (+1.380e-01s), Max Depth: 0.7320742639m, Max Vel: 9.9999999991m/s, Area: 136275.0m², Vol: 47202.7m³

Step 7200/29999, Sim Time: 2450.668s (+5.308e-01s), Max Depth: 0.7320060502m, Max Vel: 0.6170590469m/s, Area: 136400.0m², Vol: 47350.4m³

Step 7300/29999, Sim Time: 2503.677s (+5.305e-01s), Max Depth: 0.7319269959m, Max Vel: 0.6189107951m/s, Area: 136425.0m², Vol: 47527.4m³

Step 7400/29999, Sim Time: 2556.844s (+5.321e-01s), Max Depth: 0.7318524335m, Max Vel: 0.6096151625m/s, Area: 136425.0m², Vol: 47706.5m³

Step 7500/29999, Sim Time: 2590.983s (+1.380e-01s), Max Depth: 0.7318076613m, Max Vel: 9.9999999991m/s, Area: 136475.0m², Vol: 47824.0m³

Step 7600/29999, Sim Time: 2631.639s (+5.312e-01s), Max Depth: 0.7317619126m, Max Vel: 0.6148915752m/s, Area: 136575.0m², Vol: 47965.8m³

Step 7700/29999, Sim Time: 2660.001s (+1.380e-01s), Max Depth: 0.7317360006m, Max Vel: 9.9999999994m/s, Area: 136725.0m², Vol: 48063.9m³

Step 7800/29999, Sim Time: 2708.488s (+5.321e-01s), Max Depth: 0.7317025644m, Max Vel: 0.6103653161m/s, Area: 136700.0m², Vol: 48230.4m³

Step 7900/29999, Sim Time: 2760.694s (+5.334e-01s), Max Depth: 0.7316802048m, Max Vel: 0.6012834875m/s, Area: 136875.0m², Vol: 48406.9m³

Step 8000/29999, Sim Time: 2814.094s (+5.341e-01s), Max Depth: 0.7316682145m, Max Vel: 0.5975626415m/s, Area: 136925.0m², Vol: 48589.5m³

Step 8100/29999, Sim Time: 2845.533s (+1.380e-01s), Max Depth: 0.7316647708m, Max Vel: 9.9999999991m/s, Area: 137000.0m², Vol: 48699.7m³

Step 8200/29999, Sim Time: 2888.677s (+5.333e-01s), Max Depth: 0.7316628904m, Max Vel: 0.6018549709m/s, Area: 136950.0m², Vol: 48852.3m³

Step 8300/29999, Sim Time: 2941.948s (+5.336e-01s), Max Depth: 0.7316635894m, Max Vel: 0.7036668091m/s, Area: 137150.0m², Vol: 49036.1m³

Step 8400/29999, Sim Time: 2970.263s (+5.342e-01s), Max Depth: 0.7316646746m, Max Vel: 0.5964190858m/s, Area: 137200.0m², Vol: 49139.9m³

Step 8500/29999, Sim Time: 3023.569s (+5.333e-01s), Max Depth: 0.7316662629m, Max Vel: 0.6024070054m/s, Area: 137400.0m², Vol: 49324.6m³

Step 8600/29999, Sim Time: 3076.951s (+5.340e-01s), Max Depth: 0.7316657793m, Max Vel: 0.5980667237m/s, Area: 137425.0m², Vol: 49512.4m³

Step 8700/29999, Sim Time: 3107.547s (+1.380e-01s), Max Depth: 0.7316640929m, Max Vel: 9.9999999991m/s, Area: 137400.0m², Vol: 49623.2m³

Step 8800/29999, Sim Time: 3150.727s (+5.335e-01s), Max Depth: 0.7316606639m, Max Vel: 0.6007723980m/s, Area: 137550.0m², Vol: 49780.8m³

Step 8900/29999, Sim Time: 3188.082s (+1.380e-01s), Max Depth: 0.7316584012m, Max Vel: 9.9999999991m/s, Area: 137625.0m², Vol: 49915.6m³

Step 9000/29999, Sim Time: 3230.807s (+5.349e-01s), Max Depth: 0.7316626791m, Max Vel: 0.5919599946m/s, Area: 137800.0m², Vol: 50072.5m³

Step 9100/29999, Sim Time: 3284.220s (+5.341e-01s), Max Depth: 0.7316446697m, Max Vel: 0.5977996203m/s, Area: 137825.0m², Vol: 50264.0m³

Step 9200/29999, Sim Time: 3337.668s (+5.345e-01s), Max Depth: 0.7315818257m, Max Vel: 0.5950243192m/s, Area: 137900.0m², Vol: 50457.6m³

Step 9300/29999, Sim Time: 3371.817s (+1.380e-01s), Max Depth: 0.7315321078m, Max Vel: 9.9999999991m/s, Area: 137950.0m², Vol: 50584.3m³

Step 9400/29999, Sim Time: 3412.266s (+5.336e-01s), Max Depth: 0.7314640246m, Max Vel: 0.6007188204m/s, Area: 138125.0m², Vol: 50737.0m³

Step 9500/29999, Sim Time: 3451.275s (+1.380e-01s), Max Depth: 0.7313990177m, Max Vel: 9.9999999990m/s, Area: 138250.0m², Vol: 50882.0m³

Step 9600/29999, Sim Time: 3491.271s (+5.340e-01s), Max Depth: 0.7313338610m, Max Vel: 0.5970100638m/s, Area: 138575.0m², Vol: 51034.5m³

Step 9700/29999, Sim Time: 3544.751s (+5.350e-01s), Max Depth: 0.7312544098m, Max Vel: 0.5928102667m/s, Area: 144100.0m², Vol: 51232.5m³

Step 9800/29999, Sim Time: 3586.049s (+1.380e-01s), Max Depth: 0.7312932523m, Max Vel: 9.9999999999m/s, Area: 179350.0m², Vol: 51375.0m³

Step 9900/29999, Sim Time: 3620.051s (+1.645e-01s), Max Depth: 0.7315207527m, Max Vel: 9.9999999999m/s, Area: 246975.0m², Vol: 51461.7m³

Step 10000/29999, Sim Time: 3640.934s (+1.380e-01s), Max Depth: 0.7319206703m, Max Vel: 9.9999999998m/s, Area: 299550.0m², Vol: 51497.4m³

Step 10100/29999, Sim Time: 3664.218s (+5.299e-01s), Max Depth: 0.7326499752m, Max Vel: 0.6238160809m/s, Area: 340675.0m², Vol: 51526.5m³

Step 10200/29999, Sim Time: 3685.758s (+5.150e-01s), Max Depth: 0.7333081879m, Max Vel: 0.7056035334m/s, Area: 366850.0m², Vol: 51547.4m³

Step 10300/29999, Sim Time: 3706.184s (+1.380e-01s), Max Depth: 0.7339158367m, Max Vel: 9.9999999999m/s, Area: 381925.0m², Vol: 51567.1m³

Step 10400/29999, Sim Time: 3729.346s (+5.275e-01s), Max Depth: 0.7348541076m, Max Vel: 0.6291939107m/s, Area: 387000.0m², Vol: 51592.0m³

Step 10500/29999, Sim Time: 3750.530s (+5.163e-01s), Max Depth: 0.7358176733m, Max Vel: 0.6952924925m/s, Area: 393175.0m², Vol: 51615.6m³

Step 10600/29999, Sim Time: 3771.468s (+4.766e-01s), Max Depth: 0.7368325281m, Max Vel: 0.8670648460m/s, Area: 394675.0m², Vol: 51643.0m³

Step 10700/29999, Sim Time: 3794.725s (+4.882e-01s), Max Depth: 0.7380309931m, Max Vel: 0.8282422863m/s, Area: 398425.0m², Vol: 51677.4m³

Step 10800/29999, Sim Time: 3820.620s (+1.379e-01s), Max Depth: 0.7393804044m, Max Vel: 9.9999999999m/s, Area: 401225.0m², Vol: 51719.7m³

Step 10900/29999, Sim Time: 3852.710s (+4.818e-01s), Max Depth: 0.7401568812m, Max Vel: 2.2139470862m/s, Area: 404425.0m², Vol: 51662.9m³

Step 11000/29999, Sim Time: 3877.994s (+4.376e-01s), Max Depth: 0.7395707219m, Max Vel: 1.3124505274m/s, Area: 405950.0m², Vol: 51563.0m³

Step 11100/29999, Sim Time: 3911.116s (+1.375e-01s), Max Depth: 0.7398170636m, Max Vel: 9.9999999990m/s, Area: 410050.0m², Vol: 50649.9m³

Step 11200/29999, Sim Time: 3924.863s (+1.374e-01s), Max Depth: 0.7397917171m, Max Vel: 9.9999999990m/s, Area: 411000.0m², Vol: 50531.4m³

Step 11300/29999, Sim Time: 3938.604s (+1.374e-01s), Max Depth: 0.7381411238m, Max Vel: 9.9999999990m/s, Area: 414200.0m², Vol: 50349.8m³

Step 11400/29999, Sim Time: 3952.341s (+1.373e-01s), Max Depth: 0.7390251742m, Max Vel: 9.9999999990m/s, Area: 415575.0m², Vol: 50272.9m³

Step 11500/29999, Sim Time: 3966.073s (+1.373e-01s), Max Depth: 0.7389688261m, Max Vel: 9.9999999990m/s, Area: 417400.0m², Vol: 50301.4m³

Step 11600/29999, Sim Time: 3979.806s (+1.373e-01s), Max Depth: 0.7384478621m, Max Vel: 9.9999999990m/s, Area: 419525.0m², Vol: 50242.5m³

Step 11700/29999, Sim Time: 3993.532s (+1.372e-01s), Max Depth: 0.7381079004m, Max Vel: 9.9999999990m/s, Area: 420675.0m², Vol: 49965.6m³

Step 11800/29999, Sim Time: 4007.248s (+1.371e-01s), Max Depth: 0.7389915665m, Max Vel: 9.9999999990m/s, Area: 423025.0m², Vol: 49804.0m³

Step 11900/29999, Sim Time: 4020.956s (+1.370e-01s), Max Depth: 0.7373701537m, Max Vel: 9.9999999990m/s, Area: 425025.0m², Vol: 49475.5m³

Step 12000/29999, Sim Time: 4034.654s (+1.369e-01s), Max Depth: 0.7378515504m, Max Vel: 9.9999999990m/s, Area: 426075.0m², Vol: 49278.4m³

Step 12100/29999, Sim Time: 4048.343s (+1.368e-01s), Max Depth: 0.7374594697m, Max Vel: 9.9999999990m/s, Area: 425050.0m², Vol: 48983.7m³

Step 12200/29999, Sim Time: 4062.021s (+1.367e-01s), Max Depth: 0.7383714527m, Max Vel: 9.9999999990m/s, Area: 427025.0m², Vol: 48816.5m³

Step 12300/29999, Sim Time: 4075.691s (+1.367e-01s), Max Depth: 0.7373371375m, Max Vel: 9.9999999990m/s, Area: 428125.0m², Vol: 48561.7m³

Step 12400/29999, Sim Time: 4089.352s (+1.366e-01s), Max Depth: 0.7386241403m, Max Vel: 9.9999999990m/s, Area: 428650.0m², Vol: 48478.4m³

Step 12500/29999, Sim Time: 4103.007s (+1.365e-01s), Max Depth: 0.7374885487m, Max Vel: 9.9999999990m/s, Area: 429675.0m², Vol: 48313.2m³

Step 12600/29999, Sim Time: 4116.657s (+1.365e-01s), Max Depth: 0.7373342765m, Max Vel: 9.9999999990m/s, Area: 431075.0m², Vol: 48222.0m³

Step 12700/29999, Sim Time: 4130.301s (+1.364e-01s), Max Depth: 0.7383000779m, Max Vel: 9.9999999990m/s, Area: 434425.0m², Vol: 48162.1m³

Step 12800/29999, Sim Time: 4143.938s (+1.363e-01s), Max Depth: 0.7377987331m, Max Vel: 9.9999999990m/s, Area: 434100.0m², Vol: 47998.0m³

Step 12900/29999, Sim Time: 4157.570s (+1.363e-01s), Max Depth: 0.7364460751m, Max Vel: 9.9999999990m/s, Area: 434800.0m², Vol: 47821.6m³

Step 13000/29999, Sim Time: 4171.197s (+1.362e-01s), Max Depth: 0.7379634931m, Max Vel: 9.9999999990m/s, Area: 437550.0m², Vol: 47834.2m³

Step 13100/29999, Sim Time: 4184.819s (+1.362e-01s), Max Depth: 0.7364111981m, Max Vel: 9.9999999990m/s, Area: 438425.0m², Vol: 47667.4m³

Step 13200/29999, Sim Time: 4198.436s (+1.362e-01s), Max Depth: 0.7365539825m, Max Vel: 9.9999999990m/s, Area: 440350.0m², Vol: 47609.1m³

Step 13300/29999, Sim Time: 4212.050s (+1.361e-01s), Max Depth: 0.7361820724m, Max Vel: 9.9999999990m/s, Area: 438925.0m², Vol: 47558.5m³

Step 13400/29999, Sim Time: 4225.660s (+1.361e-01s), Max Depth: 0.7365738472m, Max Vel: 9.9999999990m/s, Area: 441600.0m², Vol: 47527.1m³

Step 13500/29999, Sim Time: 4239.266s (+1.360e-01s), Max Depth: 0.7367297684m, Max Vel: 9.9999999990m/s, Area: 444025.0m², Vol: 47476.5m³

Step 13600/29999, Sim Time: 4252.867s (+1.360e-01s), Max Depth: 0.7363386966m, Max Vel: 9.9999999990m/s, Area: 444700.0m², Vol: 47392.6m³

Step 13700/29999, Sim Time: 4266.465s (+1.360e-01s), Max Depth: 0.7356940831m, Max Vel: 9.9999999990m/s, Area: 446450.0m², Vol: 47289.2m³

Step 13800/29999, Sim Time: 4280.058s (+1.359e-01s), Max Depth: 0.7368774414m, Max Vel: 9.9999999990m/s, Area: 446300.0m², Vol: 47307.6m³

Step 13900/29999, Sim Time: 4293.648s (+1.359e-01s), Max Depth: 0.7370551751m, Max Vel: 9.9999999990m/s, Area: 446225.0m², Vol: 47259.7m³

Step 14000/29999, Sim Time: 4307.233s (+1.358e-01s), Max Depth: 0.7366615224m, Max Vel: 9.9999999990m/s, Area: 447750.0m², Vol: 47197.8m³

Step 14100/29999, Sim Time: 4320.815s (+1.358e-01s), Max Depth: 0.7364627708m, Max Vel: 9.9999999990m/s, Area: 448325.0m², Vol: 47145.0m³

Step 14200/29999, Sim Time: 4334.395s (+1.358e-01s), Max Depth: 0.7367269562m, Max Vel: 9.9999999990m/s, Area: 450550.0m², Vol: 47145.7m³

Step 14300/29999, Sim Time: 4347.971s (+1.358e-01s), Max Depth: 0.7365594766m, Max Vel: 9.9999999990m/s, Area: 451975.0m², Vol: 47122.7m³

Step 14400/29999, Sim Time: 4361.545s (+1.357e-01s), Max Depth: 0.7360289707m, Max Vel: 9.9999999990m/s, Area: 453300.0m², Vol: 47077.4m³

Step 14500/29999, Sim Time: 4375.116s (+1.357e-01s), Max Depth: 0.7365838283m, Max Vel: 9.9999999990m/s, Area: 453475.0m², Vol: 47108.7m³

Step 14600/29999, Sim Time: 4388.685s (+1.357e-01s), Max Depth: 0.7358987386m, Max Vel: 9.9999999990m/s, Area: 454300.0m², Vol: 47044.1m³

Step 14700/29999, Sim Time: 4402.252s (+1.357e-01s), Max Depth: 0.7363917100m, Max Vel: 9.9999999990m/s, Area: 455050.0m², Vol: 47069.9m³

Step 14800/29999, Sim Time: 4415.816s (+1.356e-01s), Max Depth: 0.7350717776m, Max Vel: 9.9999999990m/s, Area: 456000.0m², Vol: 46974.3m³

Step 14900/29999, Sim Time: 4429.377s (+1.356e-01s), Max Depth: 0.7354746403m, Max Vel: 9.9999999990m/s, Area: 456125.0m², Vol: 47013.3m³

Step 15000/29999, Sim Time: 4442.937s (+1.356e-01s), Max Depth: 0.7361407324m, Max Vel: 9.9999999990m/s, Area: 455825.0m², Vol: 47048.5m³

Step 15100/29999, Sim Time: 4456.495s (+1.356e-01s), Max Depth: 0.7346882410m, Max Vel: 9.9999999990m/s, Area: 457500.0m², Vol: 46937.8m³

Step 15200/29999, Sim Time: 4470.050s (+1.355e-01s), Max Depth: 0.7343821219m, Max Vel: 9.9999999990m/s, Area: 459300.0m², Vol: 46921.4m³

Step 15300/29999, Sim Time: 4483.603s (+1.355e-01s), Max Depth: 0.7347643742m, Max Vel: 9.9999999990m/s, Area: 460700.0m², Vol: 46955.4m³

Step 15400/29999, Sim Time: 4497.154s (+1.355e-01s), Max Depth: 0.7351635940m, Max Vel: 9.9999999990m/s, Area: 460275.0m², Vol: 46996.6m³

Step 15500/29999, Sim Time: 4510.704s (+1.355e-01s), Max Depth: 0.7340268298m, Max Vel: 9.9999999990m/s, Area: 461225.0m², Vol: 46950.4m³

Step 15600/29999, Sim Time: 4524.254s (+1.355e-01s), Max Depth: 0.7342777520m, Max Vel: 9.9999999990m/s, Area: 463075.0m², Vol: 47001.7m³

Step 15700/29999, Sim Time: 4537.802s (+1.355e-01s), Max Depth: 0.7347360603m, Max Vel: 9.9999999990m/s, Area: 464200.0m², Vol: 47073.1m³

Step 15800/29999, Sim Time: 4551.350s (+1.355e-01s), Max Depth: 0.7348660681m, Max Vel: 9.9999999990m/s, Area: 463850.0m², Vol: 47129.9m³

Step 15900/29999, Sim Time: 4564.898s (+1.355e-01s), Max Depth: 0.7342003431m, Max Vel: 9.9999999990m/s, Area: 463625.0m², Vol: 47137.8m³

Step 16000/29999, Sim Time: 4578.446s (+1.355e-01s), Max Depth: 0.7347099017m, Max Vel: 9.9999999990m/s, Area: 463825.0m², Vol: 47232.0m³

Step 16100/29999, Sim Time: 4591.993s (+1.355e-01s), Max Depth: 0.7341182981m, Max Vel: 9.9999999990m/s, Area: 466250.0m², Vol: 47243.6m³

Step 16200/29999, Sim Time: 4605.540s (+1.355e-01s), Max Depth: 0.7349314232m, Max Vel: 9.9999999990m/s, Area: 466550.0m², Vol: 47339.9m³

Step 16300/29999, Sim Time: 4619.087s (+1.355e-01s), Max Depth: 0.7344418767m, Max Vel: 9.9999999990m/s, Area: 467075.0m², Vol: 47349.7m³

Step 16400/29999, Sim Time: 4632.633s (+1.355e-01s), Max Depth: 0.7331418648m, Max Vel: 9.9999999990m/s, Area: 468350.0m², Vol: 47296.2m³

Step 16500/29999, Sim Time: 4646.179s (+1.354e-01s), Max Depth: 0.7333796939m, Max Vel: 9.9999999991m/s, Area: 470175.0m², Vol: 47337.2m³

Step 16600/29999, Sim Time: 4659.723s (+1.354e-01s), Max Depth: 0.7339646503m, Max Vel: 9.9999999990m/s, Area: 469675.0m², Vol: 47398.3m³

Step 16700/29999, Sim Time: 4673.266s (+1.354e-01s), Max Depth: 0.7345180370m, Max Vel: 9.9999999990m/s, Area: 472050.0m², Vol: 47485.2m³

Step 16800/29999, Sim Time: 4686.809s (+1.354e-01s), Max Depth: 0.7343453986m, Max Vel: 9.9999999990m/s, Area: 472975.0m², Vol: 47528.3m³

Step 16900/29999, Sim Time: 4700.352s (+1.354e-01s), Max Depth: 0.7325270201m, Max Vel: 9.9999999990m/s, Area: 473975.0m², Vol: 47461.2m³

Step 17000/29999, Sim Time: 4713.895s (+1.354e-01s), Max Depth: 0.7327136406m, Max Vel: 9.9999999990m/s, Area: 474225.0m², Vol: 47519.7m³

Step 17100/29999, Sim Time: 4727.438s (+1.354e-01s), Max Depth: 0.7324574413m, Max Vel: 9.9999999990m/s, Area: 475700.0m², Vol: 47551.1m³

Step 17200/29999, Sim Time: 4740.980s (+1.354e-01s), Max Depth: 0.7331920300m, Max Vel: 9.9999999990m/s, Area: 477725.0m², Vol: 47653.1m³

Step 17300/29999, Sim Time: 4754.522s (+1.354e-01s), Max Depth: 0.7334801765m, Max Vel: 9.9999999990m/s, Area: 478050.0m², Vol: 47726.2m³

Step 17400/29999, Sim Time: 4768.064s (+1.354e-01s), Max Depth: 0.7320733005m, Max Vel: 9.9999999990m/s, Area: 478075.0m², Vol: 47674.4m³

Step 17500/29999, Sim Time: 4781.606s (+1.354e-01s), Max Depth: 0.7333662704m, Max Vel: 9.9999999990m/s, Area: 478775.0m², Vol: 47820.5m³

Step 17600/29999, Sim Time: 4795.148s (+1.354e-01s), Max Depth: 0.7335031478m, Max Vel: 9.9999999990m/s, Area: 479800.0m², Vol: 47905.0m³

Step 17700/29999, Sim Time: 4808.691s (+1.354e-01s), Max Depth: 0.7320444583m, Max Vel: 9.9999999990m/s, Area: 481200.0m², Vol: 47870.0m³

Step 17800/29999, Sim Time: 4822.234s (+1.354e-01s), Max Depth: 0.7321176509m, Max Vel: 9.9999999990m/s, Area: 483350.0m², Vol: 47918.2m³

Step 17900/29999, Sim Time: 4835.776s (+1.354e-01s), Max Depth: 0.7322314208m, Max Vel: 9.9999999990m/s, Area: 484650.0m², Vol: 47964.4m³

Step 18000/29999, Sim Time: 4849.318s (+1.354e-01s), Max Depth: 0.7331859016m, Max Vel: 9.9999999990m/s, Area: 485050.0m², Vol: 48079.3m³

Step 18100/29999, Sim Time: 4862.859s (+1.354e-01s), Max Depth: 0.7318911318m, Max Vel: 9.9999999990m/s, Area: 483600.0m², Vol: 48042.4m³

Step 18200/29999, Sim Time: 4876.401s (+1.354e-01s), Max Depth: 0.7318101949m, Max Vel: 9.9999999990m/s, Area: 485500.0m², Vol: 48080.4m³

Step 18300/29999, Sim Time: 4889.942s (+1.354e-01s), Max Depth: 0.7324728559m, Max Vel: 9.9999999990m/s, Area: 486875.0m², Vol: 48173.0m³

Step 18400/29999, Sim Time: 4903.482s (+1.354e-01s), Max Depth: 0.7321298369m, Max Vel: 9.9999999990m/s, Area: 486900.0m², Vol: 48186.9m³

Step 18500/29999, Sim Time: 4917.022s (+1.354e-01s), Max Depth: 0.7310302300m, Max Vel: 9.9999999990m/s, Area: 488525.0m², Vol: 48142.6m³

Step 18600/29999, Sim Time: 4930.560s (+1.354e-01s), Max Depth: 0.7316838274m, Max Vel: 9.9999999990m/s, Area: 487450.0m², Vol: 48209.7m³

Step 18700/29999, Sim Time: 4944.098s (+1.354e-01s), Max Depth: 0.7317301867m, Max Vel: 9.9999999990m/s, Area: 490275.0m², Vol: 48261.7m³

Step 18800/29999, Sim Time: 4957.635s (+1.354e-01s), Max Depth: 0.7306324304m, Max Vel: 9.9999999990m/s, Area: 491225.0m², Vol: 48243.4m³

Step 18900/29999, Sim Time: 4971.172s (+1.354e-01s), Max Depth: 0.7304926743m, Max Vel: 9.9999999990m/s, Area: 491175.0m², Vol: 48262.2m³

Step 19000/29999, Sim Time: 4984.708s (+1.354e-01s), Max Depth: 0.7317214438m, Max Vel: 9.9999999990m/s, Area: 492900.0m², Vol: 48370.1m³

Step 19100/29999, Sim Time: 4998.242s (+1.353e-01s), Max Depth: 0.7310886902m, Max Vel: 9.9999999990m/s, Area: 491650.0m², Vol: 48341.5m³

Step 19200/29999, Sim Time: 5011.774s (+1.353e-01s), Max Depth: 0.7312473093m, Max Vel: 9.9999999990m/s, Area: 493500.0m², Vol: 48373.4m³

Step 19300/29999, Sim Time: 5025.306s (+1.353e-01s), Max Depth: 0.7310418323m, Max Vel: 9.9999999990m/s, Area: 493225.0m², Vol: 48398.7m³

Step 19400/29999, Sim Time: 5038.835s (+1.353e-01s), Max Depth: 0.7303774747m, Max Vel: 9.9999999990m/s, Area: 493000.0m², Vol: 48375.4m³

Step 19500/29999, Sim Time: 5052.363s (+1.353e-01s), Max Depth: 0.7317152178m, Max Vel: 9.9999999990m/s, Area: 493025.0m², Vol: 48497.9m³

Step 19600/29999, Sim Time: 5065.890s (+1.353e-01s), Max Depth: 0.7303841596m, Max Vel: 9.9999999990m/s, Area: 494850.0m², Vol: 48468.2m³

Step 19700/29999, Sim Time: 5079.417s (+1.353e-01s), Max Depth: 0.7298544930m, Max Vel: 9.9999999990m/s, Area: 495600.0m², Vol: 48484.2m³

Step 19800/29999, Sim Time: 5092.942s (+1.352e-01s), Max Depth: 0.7306768124m, Max Vel: 9.9999999990m/s, Area: 497675.0m², Vol: 48570.9m³

Step 19900/29999, Sim Time: 5106.466s (+1.352e-01s), Max Depth: 0.7301511515m, Max Vel: 9.9999999990m/s, Area: 498450.0m², Vol: 48605.9m³

Step 20000/29999, Sim Time: 5119.990s (+1.352e-01s), Max Depth: 0.7298185053m, Max Vel: 9.9999999990m/s, Area: 499325.0m², Vol: 48644.5m³

Step 20100/29999, Sim Time: 5133.513s (+1.352e-01s), Max Depth: 0.7297144407m, Max Vel: 9.9999999990m/s, Area: 499375.0m², Vol: 48699.7m³

Step 20200/29999, Sim Time: 5147.037s (+1.352e-01s), Max Depth: 0.7309310518m, Max Vel: 9.9999999990m/s, Area: 498550.0m², Vol: 48851.8m³

Step 20300/29999, Sim Time: 5160.559s (+1.352e-01s), Max Depth: 0.7309864107m, Max Vel: 9.9999999990m/s, Area: 499300.0m², Vol: 48903.1m³

Step 20400/29999, Sim Time: 5174.081s (+1.352e-01s), Max Depth: 0.7299516239m, Max Vel: 9.9999999990m/s, Area: 499025.0m², Vol: 48887.9m³

Step 20500/29999, Sim Time: 5187.603s (+1.352e-01s), Max Depth: 0.7304158839m, Max Vel: 9.9999999990m/s, Area: 499475.0m², Vol: 48952.8m³

Step 20600/29999, Sim Time: 5201.122s (+1.352e-01s), Max Depth: 0.7308379646m, Max Vel: 9.9999999990m/s, Area: 499850.0m², Vol: 48923.0m³

Step 20700/29999, Sim Time: 5214.636s (+1.351e-01s), Max Depth: 0.7307793509m, Max Vel: 9.9999999990m/s, Area: 501225.0m², Vol: 48843.4m³

Step 20800/29999, Sim Time: 5228.145s (+1.351e-01s), Max Depth: 0.7312099005m, Max Vel: 9.9999999990m/s, Area: 502850.0m², Vol: 48788.2m³

Step 20900/29999, Sim Time: 5241.649s (+1.350e-01s), Max Depth: 0.7292558830m, Max Vel: 9.9999999990m/s, Area: 501400.0m², Vol: 48548.2m³

Step 21000/29999, Sim Time: 5255.146s (+1.349e-01s), Max Depth: 0.7312236168m, Max Vel: 9.9999999990m/s, Area: 503200.0m², Vol: 48559.6m³

Step 21100/29999, Sim Time: 5268.637s (+1.349e-01s), Max Depth: 0.7290208147m, Max Vel: 9.9999999990m/s, Area: 503850.0m², Vol: 48272.9m³

Step 21200/29999, Sim Time: 5282.120s (+1.348e-01s), Max Depth: 0.7301597348m, Max Vel: 9.9999999990m/s, Area: 504050.0m², Vol: 48176.6m³

Step 21300/29999, Sim Time: 5295.594s (+1.347e-01s), Max Depth: 0.7294546713m, Max Vel: 9.9999999996m/s, Area: 504675.0m², Vol: 47961.6m³

Step 21400/29999, Sim Time: 5309.059s (+1.346e-01s), Max Depth: 0.7299385967m, Max Vel: 9.9999999990m/s, Area: 505850.0m², Vol: 47791.3m³

Step 21500/29999, Sim Time: 5322.515s (+1.345e-01s), Max Depth: 0.7311094914m, Max Vel: 9.9999999990m/s, Area: 505375.0m², Vol: 47673.4m³

Step 21600/29999, Sim Time: 5335.962s (+1.344e-01s), Max Depth: 0.7288153479m, Max Vel: 9.9999999990m/s, Area: 506500.0m², Vol: 47371.0m³

Step 21700/29999, Sim Time: 5349.400s (+1.344e-01s), Max Depth: 0.7302844938m, Max Vel: 9.9999999990m/s, Area: 507000.0m², Vol: 47339.6m³

Step 21800/29999, Sim Time: 5362.832s (+1.343e-01s), Max Depth: 0.7310132892m, Max Vel: 9.9999999990m/s, Area: 506775.0m², Vol: 47257.4m³

Step 21900/29999, Sim Time: 5376.255s (+1.342e-01s), Max Depth: 0.7295261565m, Max Vel: 9.9999999990m/s, Area: 506225.0m², Vol: 47015.1m³

Step 22000/29999, Sim Time: 5389.671s (+1.341e-01s), Max Depth: 0.7290730365m, Max Vel: 9.9999999990m/s, Area: 508950.0m², Vol: 46885.0m³

Step 22100/29999, Sim Time: 5403.080s (+1.341e-01s), Max Depth: 0.7285720710m, Max Vel: 9.9999999990m/s, Area: 507475.0m², Vol: 46803.3m³

Step 22200/29999, Sim Time: 5416.485s (+1.340e-01s), Max Depth: 0.7296336914m, Max Vel: 9.9999999990m/s, Area: 507050.0m², Vol: 46831.1m³

Step 22300/29999, Sim Time: 5429.885s (+1.340e-01s), Max Depth: 0.7302879097m, Max Vel: 9.9999999990m/s, Area: 509550.0m², Vol: 46824.7m³

Step 22400/29999, Sim Time: 5443.279s (+1.339e-01s), Max Depth: 0.7307749921m, Max Vel: 9.9999999990m/s, Area: 508575.0m², Vol: 46801.7m³

Step 22500/29999, Sim Time: 5456.668s (+1.339e-01s), Max Depth: 0.7301212416m, Max Vel: 9.9999999990m/s, Area: 507975.0m², Vol: 46724.9m³

Step 22600/29999, Sim Time: 5470.054s (+1.338e-01s), Max Depth: 0.7287193078m, Max Vel: 9.9999999990m/s, Area: 507275.0m², Vol: 46616.7m³

Step 22700/29999, Sim Time: 5483.435s (+1.338e-01s), Max Depth: 0.7293267421m, Max Vel: 9.9999999990m/s, Area: 510275.0m², Vol: 46656.2m³

Step 22800/29999, Sim Time: 5496.814s (+1.338e-01s), Max Depth: 0.7305479929m, Max Vel: 9.9999999990m/s, Area: 509650.0m², Vol: 46735.8m³

Step 22900/29999, Sim Time: 5510.189s (+1.337e-01s), Max Depth: 0.7288805115m, Max Vel: 9.9999999990m/s, Area: 510775.0m², Vol: 46582.6m³

Step 23000/29999, Sim Time: 5523.558s (+1.337e-01s), Max Depth: 0.7311216938m, Max Vel: 9.9999999990m/s, Area: 511825.0m², Vol: 46645.3m³

Step 23100/29999, Sim Time: 5536.922s (+1.336e-01s), Max Depth: 0.7312639429m, Max Vel: 9.9999999990m/s, Area: 511100.0m², Vol: 46620.1m³

Step 23200/29999, Sim Time: 5550.283s (+1.336e-01s), Max Depth: 0.7286708845m, Max Vel: 9.9999999990m/s, Area: 513275.0m², Vol: 46436.5m³

Step 23300/29999, Sim Time: 5563.640s (+1.335e-01s), Max Depth: 0.7309490402m, Max Vel: 9.9999999990m/s, Area: 511775.0m², Vol: 46545.6m³

Step 23400/29999, Sim Time: 5576.992s (+1.335e-01s), Max Depth: 0.7290609220m, Max Vel: 9.9999999990m/s, Area: 513700.0m², Vol: 46391.2m³

Step 23500/29999, Sim Time: 5590.341s (+1.335e-01s), Max Depth: 0.7303349620m, Max Vel: 9.9999999990m/s, Area: 513150.0m², Vol: 46483.9m³

Step 23600/29999, Sim Time: 5603.689s (+1.335e-01s), Max Depth: 0.7294414644m, Max Vel: 9.9999999990m/s, Area: 514175.0m², Vol: 46464.4m³

Step 23700/29999, Sim Time: 5617.034s (+1.334e-01s), Max Depth: 0.7300980272m, Max Vel: 9.9999999990m/s, Area: 513750.0m², Vol: 46498.8m³

Step 23800/29999, Sim Time: 5630.376s (+1.334e-01s), Max Depth: 0.7285025131m, Max Vel: 9.9999999990m/s, Area: 514900.0m², Vol: 46388.8m³

Step 23900/29999, Sim Time: 5643.714s (+1.334e-01s), Max Depth: 0.7303971601m, Max Vel: 9.9999999990m/s, Area: 515375.0m², Vol: 46515.2m³

Step 24000/29999, Sim Time: 5657.051s (+1.334e-01s), Max Depth: 0.7312075854m, Max Vel: 9.9999999990m/s, Area: 516300.0m², Vol: 46590.6m³

Step 24100/29999, Sim Time: 5670.386s (+1.333e-01s), Max Depth: 0.7310973704m, Max Vel: 9.9999999990m/s, Area: 517225.0m², Vol: 46547.4m³

Step 24200/29999, Sim Time: 5683.716s (+1.333e-01s), Max Depth: 0.7313698351m, Max Vel: 9.9999999990m/s, Area: 517575.0m², Vol: 46538.7m³

Step 24300/29999, Sim Time: 5697.043s (+1.333e-01s), Max Depth: 0.7308641421m, Max Vel: 9.9999999990m/s, Area: 517725.0m², Vol: 46517.7m³

Step 24400/29999, Sim Time: 5710.369s (+1.332e-01s), Max Depth: 0.7298841122m, Max Vel: 9.9999999990m/s, Area: 516825.0m², Vol: 46481.9m³

Step 24500/29999, Sim Time: 5723.692s (+1.332e-01s), Max Depth: 0.7310814371m, Max Vel: 9.9999999990m/s, Area: 518275.0m², Vol: 46551.7m³

Step 24600/29999, Sim Time: 5737.012s (+1.332e-01s), Max Depth: 0.7290045959m, Max Vel: 9.9999999990m/s, Area: 516575.0m², Vol: 46409.9m³

Step 24700/29999, Sim Time: 5750.330s (+1.332e-01s), Max Depth: 0.7296787732m, Max Vel: 9.9999999990m/s, Area: 519875.0m², Vol: 46431.3m³

Step 24800/29999, Sim Time: 5763.643s (+1.331e-01s), Max Depth: 0.7312354470m, Max Vel: 9.9999999990m/s, Area: 519950.0m², Vol: 46513.6m³

Step 24900/29999, Sim Time: 5776.954s (+1.331e-01s), Max Depth: 0.7307029019m, Max Vel: 9.9999999990m/s, Area: 522050.0m², Vol: 46444.3m³

Step 25000/29999, Sim Time: 5790.260s (+1.330e-01s), Max Depth: 0.7288989344m, Max Vel: 9.9999999990m/s, Area: 518925.0m², Vol: 46294.6m³

Step 25100/29999, Sim Time: 5803.563s (+1.330e-01s), Max Depth: 0.7312287887m, Max Vel: 9.9999999990m/s, Area: 520950.0m², Vol: 46404.1m³

Step 25200/29999, Sim Time: 5816.862s (+1.330e-01s), Max Depth: 0.7285339883m, Max Vel: 9.9999999990m/s, Area: 521800.0m², Vol: 46192.0m³

Step 25300/29999, Sim Time: 5830.156s (+1.329e-01s), Max Depth: 0.7306683993m, Max Vel: 9.9999999990m/s, Area: 521725.0m², Vol: 46271.2m³

Step 25400/29999, Sim Time: 5843.445s (+1.329e-01s), Max Depth: 0.7291860566m, Max Vel: 9.9999999990m/s, Area: 521325.0m², Vol: 46113.8m³

Step 25500/29999, Sim Time: 5856.729s (+1.328e-01s), Max Depth: 0.7306793308m, Max Vel: 9.9999999990m/s, Area: 522200.0m², Vol: 46150.4m³

Step 25600/29999, Sim Time: 5870.007s (+1.328e-01s), Max Depth: 0.7288679681m, Max Vel: 9.9999999990m/s, Area: 522400.0m², Vol: 45985.5m³

Step 25700/29999, Sim Time: 5883.281s (+1.327e-01s), Max Depth: 0.7309235664m, Max Vel: 9.9999999990m/s, Area: 522775.0m², Vol: 46105.6m³

Step 25800/29999, Sim Time: 5896.552s (+1.327e-01s), Max Depth: 0.7304286346m, Max Vel: 9.9999999990m/s, Area: 523900.0m², Vol: 46072.5m³

Step 25900/29999, Sim Time: 5909.819s (+1.326e-01s), Max Depth: 0.7310404536m, Max Vel: 9.9999999999m/s, Area: 524000.0m², Vol: 46099.6m³

Step 26000/29999, Sim Time: 5923.081s (+1.326e-01s), Max Depth: 0.7312087239m, Max Vel: 9.9999999990m/s, Area: 524475.0m², Vol: 46077.1m³

Step 26100/29999, Sim Time: 5936.338s (+1.325e-01s), Max Depth: 0.7285042685m, Max Vel: 9.9999999990m/s, Area: 525325.0m², Vol: 45874.3m³

Step 26200/29999, Sim Time: 5949.592s (+1.325e-01s), Max Depth: 0.7292222136m, Max Vel: 9.9999999990m/s, Area: 524300.0m², Vol: 45932.2m³

Step 26300/29999, Sim Time: 5962.841s (+1.325e-01s), Max Depth: 0.7306868803m, Max Vel: 9.9999999990m/s, Area: 524425.0m², Vol: 46014.4m³

Step 26400/29999, Sim Time: 5976.087s (+1.325e-01s), Max Depth: 0.7306741431m, Max Vel: 9.9999999990m/s, Area: 524800.0m², Vol: 46046.1m³

Step 26500/29999, Sim Time: 5989.332s (+1.324e-01s), Max Depth: 0.7299897698m, Max Vel: 9.9999999990m/s, Area: 526525.0m², Vol: 46056.0m³

Step 26600/29999, Sim Time: 6002.574s (+1.324e-01s), Max Depth: 0.7310143233m, Max Vel: 9.9999999990m/s, Area: 527275.0m², Vol: 46156.4m³

Step 26700/29999, Sim Time: 6015.814s (+1.324e-01s), Max Depth: 0.7288647220m, Max Vel: 9.9999999990m/s, Area: 524750.0m², Vol: 46084.5m³

Step 26800/29999, Sim Time: 6029.052s (+1.324e-01s), Max Depth: 0.7286170921m, Max Vel: 9.9999999990m/s, Area: 525925.0m², Vol: 46041.3m³

Step 26900/29999, Sim Time: 6042.285s (+1.323e-01s), Max Depth: 0.7294358847m, Max Vel: 9.9999999990m/s, Area: 526850.0m², Vol: 46121.3m³

Step 27000/29999, Sim Time: 6055.517s (+1.323e-01s), Max Depth: 0.7314188607m, Max Vel: 9.9999999990m/s, Area: 527250.0m², Vol: 46328.2m³

Step 27100/29999, Sim Time: 6068.747s (+1.323e-01s), Max Depth: 0.7309224152m, Max Vel: 9.9999999990m/s, Area: 528600.0m², Vol: 46353.0m³

Step 27200/29999, Sim Time: 6081.974s (+1.323e-01s), Max Depth: 0.7298180656m, Max Vel: 9.9999999990m/s, Area: 527050.0m², Vol: 46295.5m³

Step 27300/29999, Sim Time: 6095.199s (+1.322e-01s), Max Depth: 0.7303876061m, Max Vel: 9.9999999990m/s, Area: 527400.0m², Vol: 46405.6m³

Step 27400/29999, Sim Time: 6108.421s (+1.322e-01s), Max Depth: 0.7285655844m, Max Vel: 9.9999999990m/s, Area: 528725.0m², Vol: 46243.8m³

Step 27500/29999, Sim Time: 6121.636s (+1.321e-01s), Max Depth: 0.7307837301m, Max Vel: 9.9999999990m/s, Area: 527900.0m², Vol: 46328.8m³

Step 27600/29999, Sim Time: 6134.848s (+1.321e-01s), Max Depth: 0.7289282175m, Max Vel: 9.9999999990m/s, Area: 527825.0m², Vol: 46284.2m³

Step 27700/29999, Sim Time: 6148.059s (+1.321e-01s), Max Depth: 0.7300924035m, Max Vel: 9.9999999990m/s, Area: 528475.0m², Vol: 46356.2m³

Step 27800/29999, Sim Time: 6161.264s (+1.320e-01s), Max Depth: 0.7309464117m, Max Vel: 9.9999999990m/s, Area: 529475.0m², Vol: 46250.8m³

Step 27900/29999, Sim Time: 6174.459s (+1.319e-01s), Max Depth: 0.7288985820m, Max Vel: 9.9999999990m/s, Area: 528725.0m², Vol: 46060.0m³

Step 28000/29999, Sim Time: 6187.653s (+1.319e-01s), Max Depth: 0.7300859928m, Max Vel: 9.9999999990m/s, Area: 528900.0m², Vol: 46209.9m³

Step 28100/29999, Sim Time: 6200.845s (+1.319e-01s), Max Depth: 0.7299823055m, Max Vel: 9.9999999990m/s, Area: 528850.0m², Vol: 46185.0m³

Step 28200/29999, Sim Time: 6214.030s (+1.318e-01s), Max Depth: 0.7310276711m, Max Vel: 9.9999999990m/s, Area: 529825.0m², Vol: 46098.2m³

Step 28300/29999, Sim Time: 6227.206s (+1.317e-01s), Max Depth: 0.7300250688m, Max Vel: 9.9999999990m/s, Area: 527575.0m², Vol: 45869.2m³

Step 28400/29999, Sim Time: 6240.374s (+1.317e-01s), Max Depth: 0.7285643166m, Max Vel: 9.9999999990m/s, Area: 528800.0m², Vol: 45700.4m³

Step 28500/29999, Sim Time: 6253.537s (+1.316e-01s), Max Depth: 0.7293957548m, Max Vel: 9.9999999990m/s, Area: 529700.0m², Vol: 45738.1m³

Step 28600/29999, Sim Time: 6266.695s (+1.315e-01s), Max Depth: 0.7289281516m, Max Vel: 9.9999999990m/s, Area: 530025.0m², Vol: 45581.7m³

Step 28700/29999, Sim Time: 6279.845s (+1.315e-01s), Max Depth: 0.7313504545m, Max Vel: 9.9999999990m/s, Area: 531575.0m², Vol: 45649.0m³

Step 28800/29999, Sim Time: 6292.990s (+1.314e-01s), Max Depth: 0.7295774405m, Max Vel: 9.9999999990m/s, Area: 530500.0m², Vol: 45519.0m³

Step 28900/29999, Sim Time: 6306.132s (+1.314e-01s), Max Depth: 0.7294382909m, Max Vel: 9.9999999990m/s, Area: 530850.0m², Vol: 45551.0m³

Step 29000/29999, Sim Time: 6319.270s (+1.314e-01s), Max Depth: 0.7311745506m, Max Vel: 9.9999999990m/s, Area: 530875.0m², Vol: 45601.3m³

Step 29100/29999, Sim Time: 6332.404s (+1.313e-01s), Max Depth: 0.7313411347m, Max Vel: 9.9999999990m/s, Area: 532175.0m², Vol: 45596.2m³

Step 29200/29999, Sim Time: 6345.535s (+1.313e-01s), Max Depth: 0.7290478739m, Max Vel: 9.9999999990m/s, Area: 530850.0m², Vol: 45506.0m³

Step 29300/29999, Sim Time: 6358.665s (+1.313e-01s), Max Depth: 0.7300407373m, Max Vel: 9.9999999990m/s, Area: 530900.0m², Vol: 45645.2m³

Step 29400/29999, Sim Time: 6371.795s (+1.313e-01s), Max Depth: 0.7291093859m, Max Vel: 9.9999999990m/s, Area: 532925.0m², Vol: 45660.2m³

Step 29500/29999, Sim Time: 6384.925s (+1.313e-01s), Max Depth: 0.7290697554m, Max Vel: 9.9999999990m/s, Area: 533025.0m², Vol: 45729.9m³

Step 29600/29999, Sim Time: 6398.055s (+1.313e-01s), Max Depth: 0.7322934676m, Max Vel: 9.9999999990m/s, Area: 533500.0m², Vol: 45883.7m³

Step 29700/29999, Sim Time: 6411.185s (+1.313e-01s), Max Depth: 0.7389506604m, Max Vel: 9.9999999990m/s, Area: 533225.0m², Vol: 46444.8m³

Step 29800/29999, Sim Time: 6424.313s (+1.313e-01s), Max Depth: 0.7399775909m, Max Vel: 9.9999999990m/s, Area: 536075.0m², Vol: 46960.3m³

Step 29900/29999, Sim Time: 6437.441s (+1.313e-01s), Max Depth: 0.7450266966m, Max Vel: 9.9999999990m/s, Area: 536025.0m², Vol: 47513.9m³

Step 29999/29999, Sim Time: 6450.438s (+1.313e-01s), Max Depth: 0.7513942627m, Max Vel: 9.9999999990m/s, Area: 534425.0m², Vol: 48154.8m³

Simulation finished 30000 steps in 256.57 seconds (wall clock).

Final Maximum Flood Extent Area: 987700.00 m²

Peak Recorded Water Depth Anywhere: 1.131 m

Phase 2 max depth: 0.751 m, steady state max depth: 0.734 m, rate of increase: 0.000003 m/s

--- Visualizing Combined River (P1) + WSE Contour Breach (P2) Results ---

Using DEM contour thresholds for WSE viz: [np.float64(19.998315827761544), np.float64(20.565404887957524), np.float64(21.1324939481535), np.float64(21.699583008349478), np.float64(22.266672068545454), np.float64(22.833761128741433), np.float64(23.400850188937408), np.float64(23.967939249133387), np.float64(24.535028309329363), np.float64(25.10211736952534)]

Saving animation to result\_source1\_5\_rain10\_4296875.mp4 (using ffmpeg)...

Animation saved.

Final frame saved to result\_source1\_5\_rain10\_4296875\_final\_frame.png

Visualization finished.

--- Two-Phase River + WSE Contour Breach Test Finished ---

python flood\_simulation\_driver.py --run-twophase-test --phase1-steps 20000 --phase2-steps 30000 --rain-rate 11.875 --output-freq 100 -o result\_source1\_5\_rain11\_875.mp4 --save --source-row 50 --source-col 1 --source-rate 1.5

--- Starting Two-Phase River + Rainfall Test (Combined Output, Custom Viz) ---

--- Running Phase 1 for Two-Phase Test: Establishing River Flow ---

Generating DEM for Phase 1...

Generating natural river DEM...

Adding terrain noise...

Applying final smoothing...

Natural river DEM created.

Final DEM Elevation range: 20.00 to 25.10

Initializing Phase 1 sim with outlet\_percentile=5.0.

Generated boundary mask: 946 wall cells, 50 potential outlet cells identified.

Initial dt guess: 0.0707 s

--- Running Phase 1 Simulation for 20000 steps ---

Step 0/19999, Sim Time: 0.106s (+1.060e-01s), Max Depth: 0.2119873110m, Max Vel: 0.0000000000m/s, Area: 25.0m², Vol: 5.3m³

Step 100/19999, Sim Time: 64.077s (+8.004e-01s), Max Depth: 0.2597141130m, Max Vel: 0.5811788908m/s, Area: 1000.0m², Vol: 98.4m³

Step 200/19999, Sim Time: 159.673s (+1.053e+00s), Max Depth: 0.1709328576m, Max Vel: 0.3652084574m/s, Area: 2125.0m², Vol: 184.4m³

Step 300/19999, Sim Time: 265.860s (+1.074e+00s), Max Depth: 0.1746705831m, Max Vel: 0.3257429471m/s, Area: 3400.0m², Vol: 282.5m³

Step 400/19999, Sim Time: 371.997s (+1.045e+00s), Max Depth: 0.1802231625m, Max Vel: 0.3405344994m/s, Area: 4350.0m², Vol: 385.8m³

Step 500/19999, Sim Time: 476.782s (+1.036e+00s), Max Depth: 0.1910812156m, Max Vel: 0.3217763543m/s, Area: 5475.0m², Vol: 503.2m³

Step 600/19999, Sim Time: 577.607s (+9.871e-01s), Max Depth: 0.2067413589m, Max Vel: 0.3492858854m/s, Area: 6300.0m², Vol: 632.8m³

Step 700/19999, Sim Time: 675.052s (+9.654e-01s), Max Depth: 0.2147943389m, Max Vel: 0.3612527269m/s, Area: 7325.0m², Vol: 758.3m³

Step 800/19999, Sim Time: 771.326s (+9.615e-01s), Max Depth: 0.2176690977m, Max Vel: 0.3587653168m/s, Area: 8300.0m², Vol: 884.5m³

Step 900/19999, Sim Time: 867.603s (+9.642e-01s), Max Depth: 0.2181425161m, Max Vel: 0.3520372652m/s, Area: 9200.0m², Vol: 1016.0m³

Step 1000/19999, Sim Time: 964.176s (+9.659e-01s), Max Depth: 0.2176355701m, Max Vel: 0.3505775108m/s, Area: 10325.0m², Vol: 1153.0m³

Step 1100/19999, Sim Time: 1060.760s (+9.534e-01s), Max Depth: 0.2170977179m, Max Vel: 0.3743132384m/s, Area: 11450.0m², Vol: 1293.3m³

Step 1200/19999, Sim Time: 1155.204s (+9.348e-01s), Max Depth: 0.2205068273m, Max Vel: 0.4013918960m/s, Area: 12600.0m², Vol: 1433.2m³

Step 1300/19999, Sim Time: 1247.890s (+9.224e-01s), Max Depth: 0.2237983278m, Max Vel: 0.4154804665m/s, Area: 13400.0m², Vol: 1569.5m³

Step 1400/19999, Sim Time: 1340.616s (+9.318e-01s), Max Depth: 0.2253471230m, Max Vel: 0.3911293275m/s, Area: 14225.0m², Vol: 1693.7m³

Step 1500/19999, Sim Time: 1433.827s (+9.183e-01s), Max Depth: 0.2347150831m, Max Vel: 0.3884551856m/s, Area: 15250.0m², Vol: 1801.0m³

Step 1600/19999, Sim Time: 1523.734s (+8.835e-01s), Max Depth: 0.2484727293m, Max Vel: 0.4196037220m/s, Area: 16175.0m², Vol: 1913.9m³

Step 1700/19999, Sim Time: 1611.492s (+8.739e-01s), Max Depth: 0.2579902478m, Max Vel: 0.4117215248m/s, Area: 17025.0m², Vol: 2030.2m³

Step 1800/19999, Sim Time: 1699.144s (+8.802e-01s), Max Depth: 0.2643400677m, Max Vel: 0.3777967802m/s, Area: 17875.0m², Vol: 2158.0m³

Step 1900/19999, Sim Time: 1787.242s (+8.822e-01s), Max Depth: 0.2690956176m, Max Vel: 0.3589942641m/s, Area: 19100.0m², Vol: 2296.5m³

Step 2000/19999, Sim Time: 1874.338s (+8.635e-01s), Max Depth: 0.2722201745m, Max Vel: 0.3918456945m/s, Area: 20225.0m², Vol: 2450.6m³

Step 2100/19999, Sim Time: 1960.628s (+8.519e-01s), Max Depth: 0.2739780451m, Max Vel: 0.4081844441m/s, Area: 21400.0m², Vol: 2611.6m³

Step 2200/19999, Sim Time: 2046.386s (+8.584e-01s), Max Depth: 0.2747129155m, Max Vel: 0.3967688765m/s, Area: 22400.0m², Vol: 2782.2m³

Step 2300/19999, Sim Time: 2130.901s (+8.386e-01s), Max Depth: 0.2746797423m, Max Vel: 0.4456647926m/s, Area: 23625.0m², Vol: 2953.2m³

Step 2400/19999, Sim Time: 2214.559s (+8.392e-01s), Max Depth: 0.2742090230m, Max Vel: 0.4445373182m/s, Area: 24725.0m², Vol: 3134.0m³

Step 2500/19999, Sim Time: 2299.498s (+8.568e-01s), Max Depth: 0.2734828131m, Max Vel: 0.4055632075m/s, Area: 25850.0m², Vol: 3334.5m³

Step 2600/19999, Sim Time: 2384.716s (+8.467e-01s), Max Depth: 0.2803962605m, Max Vel: 0.4087375125m/s, Area: 26950.0m², Vol: 3549.7m³

Step 2700/19999, Sim Time: 2467.599s (+8.096e-01s), Max Depth: 0.3025797149m, Max Vel: 0.4338134501m/s, Area: 28250.0m², Vol: 3770.7m³

Step 2800/19999, Sim Time: 2547.529s (+7.892e-01s), Max Depth: 0.3196907096m, Max Vel: 0.4469806603m/s, Area: 29650.0m², Vol: 3999.5m³

Step 2900/19999, Sim Time: 2625.768s (+7.788e-01s), Max Depth: 0.3303555327m, Max Vel: 0.4471332848m/s, Area: 30900.0m², Vol: 4236.5m³

Step 3000/19999, Sim Time: 2703.264s (+7.721e-01s), Max Depth: 0.3374031308m, Max Vel: 0.4474247706m/s, Area: 32125.0m², Vol: 4481.0m³

Step 3100/19999, Sim Time: 2780.317s (+7.693e-01s), Max Depth: 0.3426772065m, Max Vel: 0.4412521887m/s, Area: 33325.0m², Vol: 4735.2m³

Step 3200/19999, Sim Time: 2857.211s (+7.687e-01s), Max Depth: 0.3476379938m, Max Vel: 0.4299422227m/s, Area: 34725.0m², Vol: 5001.1m³

Step 3300/19999, Sim Time: 2932.884s (+7.467e-01s), Max Depth: 0.3521020336m, Max Vel: 0.4775318323m/s, Area: 36075.0m², Vol: 5272.9m³

Step 3400/19999, Sim Time: 3007.487s (+7.434e-01s), Max Depth: 0.3561837772m, Max Vel: 0.4850125648m/s, Area: 37350.0m², Vol: 5545.0m³

Step 3500/19999, Sim Time: 3081.558s (+7.399e-01s), Max Depth: 0.3600001855m, Max Vel: 0.4861972900m/s, Area: 38650.0m², Vol: 5827.8m³

Step 3600/19999, Sim Time: 3155.377s (+7.378e-01s), Max Depth: 0.3635513893m, Max Vel: 0.4833212994m/s, Area: 40225.0m², Vol: 6125.6m³

Step 3700/19999, Sim Time: 3229.234s (+7.387e-01s), Max Depth: 0.3665146094m, Max Vel: 0.4731704642m/s, Area: 41750.0m², Vol: 6431.2m³

Step 3800/19999, Sim Time: 3302.852s (+7.364e-01s), Max Depth: 0.3693271297m, Max Vel: 0.4728303405m/s, Area: 43200.0m², Vol: 6751.0m³

Step 3900/19999, Sim Time: 3375.903s (+7.302e-01s), Max Depth: 0.3718540870m, Max Vel: 0.4859574129m/s, Area: 44750.0m², Vol: 7083.8m³

Step 4000/19999, Sim Time: 3448.560s (+7.249e-01s), Max Depth: 0.3741861528m, Max Vel: 0.4981654944m/s, Area: 45900.0m², Vol: 7436.1m³

Step 4100/19999, Sim Time: 3520.903s (+7.236e-01s), Max Depth: 0.3763862877m, Max Vel: 0.4966960726m/s, Area: 47400.0m², Vol: 7794.2m³

Step 4200/19999, Sim Time: 3593.477s (+7.277e-01s), Max Depth: 0.3782970041m, Max Vel: 0.4783880939m/s, Area: 49000.0m², Vol: 8150.7m³

Step 4300/19999, Sim Time: 3665.900s (+7.187e-01s), Max Depth: 0.3798678096m, Max Vel: 0.5066486707m/s, Area: 50750.0m², Vol: 8515.8m³

Step 4400/19999, Sim Time: 3737.276s (+7.073e-01s), Max Depth: 0.3813345759m, Max Vel: 0.5404832194m/s, Area: 52300.0m², Vol: 8902.0m³

Step 4500/19999, Sim Time: 3807.842s (+7.058e-01s), Max Depth: 0.3824214128m, Max Vel: 0.5426442349m/s, Area: 53975.0m², Vol: 9292.8m³

Step 4600/19999, Sim Time: 3878.532s (+7.076e-01s), Max Depth: 0.3893015703m, Max Vel: 0.5188344673m/s, Area: 55750.0m², Vol: 9697.3m³

Step 4700/19999, Sim Time: 3949.146s (+7.045e-01s), Max Depth: 0.3978554687m, Max Vel: 0.5085271656m/s, Area: 57350.0m², Vol: 10116.9m³

Step 4800/19999, Sim Time: 4019.540s (+7.038e-01s), Max Depth: 0.4044508854m, Max Vel: 0.4947424301m/s, Area: 58950.0m², Vol: 10554.4m³

Step 4900/19999, Sim Time: 4089.546s (+6.990e-01s), Max Depth: 0.4106421722m, Max Vel: 0.4970008611m/s, Area: 60700.0m², Vol: 11000.0m³

Step 5000/19999, Sim Time: 4159.270s (+6.951e-01s), Max Depth: 0.4160452922m, Max Vel: 0.4974216634m/s, Area: 62550.0m², Vol: 11467.5m³

Step 5100/19999, Sim Time: 4228.601s (+6.919e-01s), Max Depth: 0.4206952011m, Max Vel: 0.4977205523m/s, Area: 64350.0m², Vol: 11949.5m³

Step 5200/19999, Sim Time: 4297.135s (+6.876e-01s), Max Depth: 0.4267157234m, Max Vel: 0.4998158026m/s, Area: 66000.0m², Vol: 12444.2m³

Step 5300/19999, Sim Time: 4365.713s (+6.794e-01s), Max Depth: 0.4324782006m, Max Vel: 0.5190165950m/s, Area: 67725.0m², Vol: 12955.2m³

Step 5400/19999, Sim Time: 4432.758s (+6.656e-01s), Max Depth: 0.4381236842m, Max Vel: 0.5560909131m/s, Area: 69800.0m², Vol: 13478.6m³

Step 5500/19999, Sim Time: 4498.733s (+6.523e-01s), Max Depth: 0.4433199597m, Max Vel: 0.6022011021m/s, Area: 71675.0m², Vol: 14017.7m³

Step 5600/19999, Sim Time: 4564.212s (+6.532e-01s), Max Depth: 0.4481104117m, Max Vel: 0.5825409977m/s, Area: 73375.0m², Vol: 14575.5m³

Step 5700/19999, Sim Time: 4629.313s (+6.493e-01s), Max Depth: 0.4524609463m, Max Vel: 0.5884059917m/s, Area: 75175.0m², Vol: 15147.7m³

Step 5800/19999, Sim Time: 4694.179s (+6.486e-01s), Max Depth: 0.4563034724m, Max Vel: 0.5822972571m/s, Area: 77000.0m², Vol: 15736.3m³

Step 5900/19999, Sim Time: 4759.062s (+6.490e-01s), Max Depth: 0.4595093476m, Max Vel: 0.5731548352m/s, Area: 78900.0m², Vol: 16331.5m³

Step 6000/19999, Sim Time: 4823.919s (+6.496e-01s), Max Depth: 0.4619809653m, Max Vel: 0.5650150445m/s, Area: 80650.0m², Vol: 16942.3m³

Step 6100/19999, Sim Time: 4888.720s (+6.429e-01s), Max Depth: 0.4648876959m, Max Vel: 0.5856460079m/s, Area: 82700.0m², Vol: 17559.0m³

Step 6200/19999, Sim Time: 4952.958s (+6.396e-01s), Max Depth: 0.4683343738m, Max Vel: 0.5929344853m/s, Area: 84950.0m², Vol: 18185.0m³

Step 6300/19999, Sim Time: 5016.729s (+6.365e-01s), Max Depth: 0.4713652242m, Max Vel: 0.5989401184m/s, Area: 86775.0m², Vol: 18813.1m³

Step 6400/19999, Sim Time: 5080.315s (+6.354e-01s), Max Depth: 0.4751863376m, Max Vel: 0.5950777108m/s, Area: 88900.0m², Vol: 19457.7m³

Step 6500/19999, Sim Time: 5143.717s (+6.329e-01s), Max Depth: 0.4865308793m, Max Vel: 0.5804781739m/s, Area: 91050.0m², Vol: 20111.0m³

Step 6600/19999, Sim Time: 5206.778s (+6.326e-01s), Max Depth: 0.4962743434m, Max Vel: 0.5597698310m/s, Area: 93225.0m², Vol: 20784.0m³

Step 6700/19999, Sim Time: 5269.686s (+6.267e-01s), Max Depth: 0.5047020836m, Max Vel: 0.5673149015m/s, Area: 95275.0m², Vol: 21479.1m³

Step 6800/19999, Sim Time: 5331.599s (+6.117e-01s), Max Depth: 0.5116486714m, Max Vel: 0.6233042419m/s, Area: 97550.0m², Vol: 22169.1m³

Step 6900/19999, Sim Time: 5392.148s (+6.001e-01s), Max Depth: 0.5181144139m, Max Vel: 0.6620492694m/s, Area: 99800.0m², Vol: 22858.0m³

Step 7000/19999, Sim Time: 5452.051s (+5.986e-01s), Max Depth: 0.5241570280m, Max Vel: 0.6561762728m/s, Area: 102000.0m², Vol: 23551.2m³

Step 7100/19999, Sim Time: 5511.861s (+5.981e-01s), Max Depth: 0.5297107344m, Max Vel: 0.6464530952m/s, Area: 103975.0m², Vol: 24262.0m³

Step 7200/19999, Sim Time: 5571.504s (+5.954e-01s), Max Depth: 0.5348100614m, Max Vel: 0.6481609293m/s, Area: 106200.0m², Vol: 24979.0m³

Step 7300/19999, Sim Time: 5630.938s (+5.934e-01s), Max Depth: 0.5393639514m, Max Vel: 0.6489496753m/s, Area: 108300.0m², Vol: 25715.6m³

Step 7400/19999, Sim Time: 5690.219s (+5.943e-01s), Max Depth: 0.5434049017m, Max Vel: 0.6354882081m/s, Area: 110375.0m², Vol: 26465.4m³

Step 7500/19999, Sim Time: 5749.745s (+5.954e-01s), Max Depth: 0.5469867616m, Max Vel: 0.6226245404m/s, Area: 112500.0m², Vol: 27246.9m³

Step 7600/19999, Sim Time: 5808.996s (+5.843e-01s), Max Depth: 0.5502212615m, Max Vel: 0.6778589039m/s, Area: 114750.0m², Vol: 28046.6m³

Step 7700/19999, Sim Time: 5867.230s (+5.825e-01s), Max Depth: 0.5529904963m, Max Vel: 0.6753573500m/s, Area: 116750.0m², Vol: 28857.5m³

Step 7800/19999, Sim Time: 5925.357s (+5.823e-01s), Max Depth: 0.5553596599m, Max Vel: 0.6707206066m/s, Area: 119125.0m², Vol: 29666.4m³

Step 7900/19999, Sim Time: 5983.772s (+5.853e-01s), Max Depth: 0.5574920350m, Max Vel: 0.6513363627m/s, Area: 120975.0m², Vol: 30438.3m³

Step 8000/19999, Sim Time: 6042.334s (+5.857e-01s), Max Depth: 0.5594957976m, Max Vel: 0.6452232986m/s, Area: 122075.0m², Vol: 31064.7m³

Step 8100/19999, Sim Time: 6100.935s (+5.864e-01s), Max Depth: 0.5614594540m, Max Vel: 0.6374797347m/s, Area: 123125.0m², Vol: 31610.6m³

Step 8200/19999, Sim Time: 6159.573s (+5.865e-01s), Max Depth: 0.5634061275m, Max Vel: 0.6329828800m/s, Area: 123700.0m², Vol: 32113.2m³

Step 8300/19999, Sim Time: 6218.243s (+5.874e-01s), Max Depth: 0.5653177623m, Max Vel: 0.6243576772m/s, Area: 124275.0m², Vol: 32573.4m³

Step 8400/19999, Sim Time: 6277.057s (+5.888e-01s), Max Depth: 0.5670875164m, Max Vel: 0.6134688465m/s, Area: 124950.0m², Vol: 32999.9m³

Step 8500/19999, Sim Time: 6335.984s (+5.898e-01s), Max Depth: 0.5687954134m, Max Vel: 0.6050292658m/s, Area: 125350.0m², Vol: 33424.8m³

Step 8600/19999, Sim Time: 6395.065s (+5.924e-01s), Max Depth: 0.5703726312m, Max Vel: 0.5881687326m/s, Area: 125825.0m², Vol: 33859.8m³

Step 8700/19999, Sim Time: 6454.320s (+5.910e-01s), Max Depth: 0.5813931895m, Max Vel: 0.5731015812m/s, Area: 126175.0m², Vol: 34258.3m³

Step 8800/19999, Sim Time: 6513.215s (+5.871e-01s), Max Depth: 0.5925583594m, Max Vel: 0.5697403946m/s, Area: 126450.0m², Vol: 34638.4m³

Step 8900/19999, Sim Time: 6571.754s (+5.833e-01s), Max Depth: 0.6033154601m, Max Vel: 0.5674959745m/s, Area: 126750.0m², Vol: 34981.7m³

Step 9000/19999, Sim Time: 6629.847s (+5.785e-01s), Max Depth: 0.6135231937m, Max Vel: 0.5719768359m/s, Area: 127000.0m², Vol: 35289.3m³

Step 9100/19999, Sim Time: 6687.509s (+5.752e-01s), Max Depth: 0.6218374399m, Max Vel: 0.5729111827m/s, Area: 127350.0m², Vol: 35593.2m³

Step 9200/19999, Sim Time: 6744.996s (+5.756e-01s), Max Depth: 0.6291041631m, Max Vel: 0.5559102549m/s, Area: 127650.0m², Vol: 35940.0m³

Step 9300/19999, Sim Time: 6802.673s (+5.760e-01s), Max Depth: 0.6376405189m, Max Vel: 0.5371936168m/s, Area: 127875.0m², Vol: 36285.8m³

Step 9400/19999, Sim Time: 6860.047s (+5.713e-01s), Max Depth: 0.6510311983m, Max Vel: 0.5361946251m/s, Area: 128350.0m², Vol: 36590.3m³

Step 9500/19999, Sim Time: 6916.737s (+5.624e-01s), Max Depth: 0.6765902375m, Max Vel: 0.5357134469m/s, Area: 128825.0m², Vol: 36894.7m³

Step 9600/19999, Sim Time: 6972.690s (+5.573e-01s), Max Depth: 0.6918089534m, Max Vel: 0.5350289180m/s, Area: 129050.0m², Vol: 37175.5m³

Step 9700/19999, Sim Time: 7028.274s (+5.543e-01s), Max Depth: 0.7014509382m, Max Vel: 0.5338974841m/s, Area: 129200.0m², Vol: 37419.8m³

Step 9800/19999, Sim Time: 7083.559s (+5.516e-01s), Max Depth: 0.7105199338m, Max Vel: 0.5326518925m/s, Area: 129425.0m², Vol: 37645.0m³

Step 9900/19999, Sim Time: 7138.638s (+5.503e-01s), Max Depth: 0.7152159302m, Max Vel: 0.5315190688m/s, Area: 129650.0m², Vol: 37845.8m³

Step 10000/19999, Sim Time: 7193.646s (+5.500e-01s), Max Depth: 0.7167995083m, Max Vel: 0.5300101690m/s, Area: 129775.0m², Vol: 38013.4m³

Step 10100/19999, Sim Time: 7248.589s (+5.485e-01s), Max Depth: 0.7165896109m, Max Vel: 0.5392740960m/s, Area: 129800.0m², Vol: 38149.9m³

Step 10200/19999, Sim Time: 7303.355s (+5.469e-01s), Max Depth: 0.7160152500m, Max Vel: 0.5494001844m/s, Area: 129850.0m², Vol: 38262.0m³

Step 10300/19999, Sim Time: 7357.993s (+5.459e-01s), Max Depth: 0.7157701821m, Max Vel: 0.5561096687m/s, Area: 129950.0m², Vol: 38358.7m³

Step 10400/19999, Sim Time: 7412.538s (+5.451e-01s), Max Depth: 0.7157616758m, Max Vel: 0.5606516900m/s, Area: 129975.0m², Vol: 38443.3m³

Step 10500/19999, Sim Time: 7467.019s (+5.446e-01s), Max Depth: 0.7158696895m, Max Vel: 0.5635703188m/s, Area: 130100.0m², Vol: 38517.7m³

Step 10600/19999, Sim Time: 7521.455s (+5.442e-01s), Max Depth: 0.7160692554m, Max Vel: 0.5652445171m/s, Area: 130100.0m², Vol: 38584.7m³

Step 10700/19999, Sim Time: 7575.867s (+5.440e-01s), Max Depth: 0.7163924546m, Max Vel: 0.5656846076m/s, Area: 130150.0m², Vol: 38645.6m³

Step 10800/19999, Sim Time: 7630.268s (+5.440e-01s), Max Depth: 0.7168377914m, Max Vel: 0.5650162014m/s, Area: 130200.0m², Vol: 38702.4m³

Step 10900/19999, Sim Time: 7684.673s (+5.441e-01s), Max Depth: 0.7174574735m, Max Vel: 0.5632862144m/s, Area: 130225.0m², Vol: 38756.7m³

Step 11000/19999, Sim Time: 7739.096s (+5.444e-01s), Max Depth: 0.7181769325m, Max Vel: 0.5604469272m/s, Area: 130250.0m², Vol: 38809.6m³

Step 11100/19999, Sim Time: 7793.553s (+5.448e-01s), Max Depth: 0.7191055965m, Max Vel: 0.5560240283m/s, Area: 130300.0m², Vol: 38863.8m³

Step 11200/19999, Sim Time: 7848.071s (+5.456e-01s), Max Depth: 0.7201351717m, Max Vel: 0.5494945987m/s, Area: 130375.0m², Vol: 38921.7m³

Step 11300/19999, Sim Time: 7902.666s (+5.462e-01s), Max Depth: 0.7211973526m, Max Vel: 0.5439293823m/s, Area: 130425.0m², Vol: 38985.4m³

Step 11400/19999, Sim Time: 7957.329s (+5.472e-01s), Max Depth: 0.7222314060m, Max Vel: 0.5363814328m/s, Area: 130550.0m², Vol: 39063.0m³

Step 11500/19999, Sim Time: 8012.131s (+5.487e-01s), Max Depth: 0.7236280493m, Max Vel: 0.5251999512m/s, Area: 130600.0m², Vol: 39166.2m³

Step 11600/19999, Sim Time: 8066.977s (+5.476e-01s), Max Depth: 0.7272399828m, Max Vel: 0.5251827955m/s, Area: 130650.0m², Vol: 39274.9m³

Step 11700/19999, Sim Time: 8121.642s (+5.460e-01s), Max Depth: 0.7320576338m, Max Vel: 0.5251355899m/s, Area: 130700.0m², Vol: 39364.6m³

Step 11800/19999, Sim Time: 8176.233s (+5.460e-01s), Max Depth: 0.7321931047m, Max Vel: 0.5249906110m/s, Area: 130750.0m², Vol: 39434.6m³

Step 11900/19999, Sim Time: 8230.848s (+5.463e-01s), Max Depth: 0.7313994803m, Max Vel: 0.5246367081m/s, Area: 130825.0m², Vol: 39485.6m³

Step 12000/19999, Sim Time: 8285.497s (+5.466e-01s), Max Depth: 0.7306647416m, Max Vel: 0.5240507296m/s, Area: 130925.0m², Vol: 39524.5m³

Step 12100/19999, Sim Time: 8340.176s (+5.469e-01s), Max Depth: 0.7302184282m, Max Vel: 0.5234847713m/s, Area: 130950.0m², Vol: 39556.8m³

Step 12200/19999, Sim Time: 8394.866s (+5.469e-01s), Max Depth: 0.7304259419m, Max Vel: 0.5230622435m/s, Area: 130950.0m², Vol: 39585.5m³

Step 12300/19999, Sim Time: 8449.551s (+5.468e-01s), Max Depth: 0.7308103340m, Max Vel: 0.5229182518m/s, Area: 131050.0m², Vol: 39611.8m³

Step 12400/19999, Sim Time: 8504.226s (+5.467e-01s), Max Depth: 0.7310268231m, Max Vel: 0.5229530757m/s, Area: 131125.0m², Vol: 39636.5m³

Step 12500/19999, Sim Time: 8558.893s (+5.466e-01s), Max Depth: 0.7312660134m, Max Vel: 0.5231176506m/s, Area: 131175.0m², Vol: 39659.0m³

Step 12600/19999, Sim Time: 8613.550s (+5.465e-01s), Max Depth: 0.7315205268m, Max Vel: 0.5232323074m/s, Area: 131175.0m², Vol: 39679.7m³

Step 12700/19999, Sim Time: 8668.197s (+5.464e-01s), Max Depth: 0.7317729094m, Max Vel: 0.5233448534m/s, Area: 131175.0m², Vol: 39698.6m³

Step 12800/19999, Sim Time: 8722.835s (+5.463e-01s), Max Depth: 0.7320082659m, Max Vel: 0.5234308020m/s, Area: 131150.0m², Vol: 39716.1m³

Step 12900/19999, Sim Time: 8777.462s (+5.462e-01s), Max Depth: 0.7322162320m, Max Vel: 0.5237447849m/s, Area: 131125.0m², Vol: 39732.1m³

Step 13000/19999, Sim Time: 8832.079s (+5.461e-01s), Max Depth: 0.7323954093m, Max Vel: 0.5240504101m/s, Area: 131125.0m², Vol: 39746.9m³

Step 13100/19999, Sim Time: 8886.684s (+5.460e-01s), Max Depth: 0.7325720907m, Max Vel: 0.5243799290m/s, Area: 131175.0m², Vol: 39760.6m³

Step 13200/19999, Sim Time: 8941.278s (+5.459e-01s), Max Depth: 0.7327589228m, Max Vel: 0.5246634547m/s, Area: 131125.0m², Vol: 39773.1m³

Step 13300/19999, Sim Time: 8995.862s (+5.458e-01s), Max Depth: 0.7329468822m, Max Vel: 0.5249176701m/s, Area: 131150.0m², Vol: 39784.5m³

Step 13400/19999, Sim Time: 9050.436s (+5.457e-01s), Max Depth: 0.7331386463m, Max Vel: 0.5251409320m/s, Area: 131150.0m², Vol: 39795.0m³

Step 13500/19999, Sim Time: 9105.000s (+5.456e-01s), Max Depth: 0.7333288963m, Max Vel: 0.5253601018m/s, Area: 131175.0m², Vol: 39804.6m³

Step 13600/19999, Sim Time: 9159.555s (+5.455e-01s), Max Depth: 0.7335145720m, Max Vel: 0.5255363454m/s, Area: 131225.0m², Vol: 39813.4m³

Step 13700/19999, Sim Time: 9214.102s (+5.454e-01s), Max Depth: 0.7336908140m, Max Vel: 0.5257006147m/s, Area: 131225.0m², Vol: 39821.5m³

Step 13800/19999, Sim Time: 9268.640s (+5.453e-01s), Max Depth: 0.7338570261m, Max Vel: 0.5258458728m/s, Area: 131225.0m², Vol: 39828.8m³

Step 13900/19999, Sim Time: 9323.171s (+5.453e-01s), Max Depth: 0.7340109054m, Max Vel: 0.5259789036m/s, Area: 131250.0m², Vol: 39835.5m³

Step 14000/19999, Sim Time: 9377.696s (+5.452e-01s), Max Depth: 0.7341511111m, Max Vel: 0.5261046720m/s, Area: 131225.0m², Vol: 39841.5m³

Step 14100/19999, Sim Time: 9432.214s (+5.452e-01s), Max Depth: 0.7342763134m, Max Vel: 0.5262251210m/s, Area: 131225.0m², Vol: 39846.7m³

Step 14200/19999, Sim Time: 9486.726s (+5.451e-01s), Max Depth: 0.7343860500m, Max Vel: 0.5263412973m/s, Area: 131200.0m², Vol: 39851.0m³

Step 14300/19999, Sim Time: 9541.234s (+5.451e-01s), Max Depth: 0.7344799753m, Max Vel: 0.5264537784m/s, Area: 131200.0m², Vol: 39854.6m³

Step 14400/19999, Sim Time: 9595.737s (+5.450e-01s), Max Depth: 0.7345582412m, Max Vel: 0.5265645786m/s, Area: 131175.0m², Vol: 39857.5m³

Step 14500/19999, Sim Time: 9650.235s (+5.450e-01s), Max Depth: 0.7346208019m, Max Vel: 0.5266720585m/s, Area: 131250.0m², Vol: 39860.0m³

Step 14600/19999, Sim Time: 9704.731s (+5.449e-01s), Max Depth: 0.7346676399m, Max Vel: 0.5267751614m/s, Area: 131250.0m², Vol: 39862.0m³

Step 14700/19999, Sim Time: 9759.223s (+5.449e-01s), Max Depth: 0.7346991609m, Max Vel: 0.5268738362m/s, Area: 131225.0m², Vol: 39863.2m³

Step 14800/19999, Sim Time: 9813.713s (+5.449e-01s), Max Depth: 0.7347153894m, Max Vel: 0.5269701007m/s, Area: 131225.0m², Vol: 39863.6m³

Step 14900/19999, Sim Time: 9868.201s (+5.449e-01s), Max Depth: 0.7347170440m, Max Vel: 0.5270681306m/s, Area: 131200.0m², Vol: 39863.2m³

Step 15000/19999, Sim Time: 9922.688s (+5.449e-01s), Max Depth: 0.7347047102m, Max Vel: 0.5271641974m/s, Area: 131200.0m², Vol: 39862.0m³

Step 15100/19999, Sim Time: 9977.173s (+5.449e-01s), Max Depth: 0.7346792162m, Max Vel: 0.5272572373m/s, Area: 131175.0m², Vol: 39860.2m³

Step 15200/19999, Sim Time: 10031.658s (+5.448e-01s), Max Depth: 0.7346413349m, Max Vel: 0.5273456727m/s, Area: 131150.0m², Vol: 39857.6m³

Step 15300/19999, Sim Time: 10086.143s (+5.449e-01s), Max Depth: 0.7345920370m, Max Vel: 0.5274276848m/s, Area: 131150.0m², Vol: 39854.2m³

Step 15400/19999, Sim Time: 10140.628s (+5.448e-01s), Max Depth: 0.7345334755m, Max Vel: 0.5275401809m/s, Area: 131150.0m², Vol: 39850.2m³

Step 15500/19999, Sim Time: 10195.114s (+5.449e-01s), Max Depth: 0.7344650468m, Max Vel: 0.5276077084m/s, Area: 131075.0m², Vol: 39845.5m³

Step 15600/19999, Sim Time: 10249.600s (+5.449e-01s), Max Depth: 0.7343923135m, Max Vel: 0.5276914948m/s, Area: 131075.0m², Vol: 39839.8m³

Step 15700/19999, Sim Time: 10304.088s (+5.449e-01s), Max Depth: 0.7343114964m, Max Vel: 0.5277534893m/s, Area: 131075.0m², Vol: 39833.6m³

Step 15800/19999, Sim Time: 10358.577s (+5.449e-01s), Max Depth: 0.7342258320m, Max Vel: 0.5278107110m/s, Area: 131075.0m², Vol: 39827.2m³

Step 15900/19999, Sim Time: 10413.067s (+5.449e-01s), Max Depth: 0.7341380417m, Max Vel: 0.5278550987m/s, Area: 131075.0m², Vol: 39820.5m³

Step 16000/19999, Sim Time: 10467.560s (+5.449e-01s), Max Depth: 0.7340493547m, Max Vel: 0.5278911984m/s, Area: 131025.0m², Vol: 39813.5m³

Step 16100/19999, Sim Time: 10522.056s (+5.450e-01s), Max Depth: 0.7339598700m, Max Vel: 0.5278831623m/s, Area: 131050.0m², Vol: 39806.4m³

Step 16200/19999, Sim Time: 10576.554s (+5.450e-01s), Max Depth: 0.7338709110m, Max Vel: 0.5279038295m/s, Area: 131025.0m², Vol: 39799.3m³

Step 16300/19999, Sim Time: 10631.054s (+5.450e-01s), Max Depth: 0.7337824824m, Max Vel: 0.5278886818m/s, Area: 131025.0m², Vol: 39792.3m³

Step 16400/19999, Sim Time: 10685.558s (+5.450e-01s), Max Depth: 0.7336999146m, Max Vel: 0.5278804745m/s, Area: 131025.0m², Vol: 39785.4m³

Step 16500/19999, Sim Time: 10740.065s (+5.451e-01s), Max Depth: 0.7336200841m, Max Vel: 0.5278609444m/s, Area: 131000.0m², Vol: 39778.5m³

Step 16600/19999, Sim Time: 10794.574s (+5.451e-01s), Max Depth: 0.7335439567m, Max Vel: 0.5278361613m/s, Area: 131000.0m², Vol: 39771.8m³

Step 16700/19999, Sim Time: 10849.086s (+5.451e-01s), Max Depth: 0.7334721459m, Max Vel: 0.5278032690m/s, Area: 130975.0m², Vol: 39765.2m³

Step 16800/19999, Sim Time: 10903.600s (+5.452e-01s), Max Depth: 0.7334056741m, Max Vel: 0.5277629852m/s, Area: 130925.0m², Vol: 39758.5m³

Step 16900/19999, Sim Time: 10958.118s (+5.452e-01s), Max Depth: 0.7333445111m, Max Vel: 0.5277161132m/s, Area: 130900.0m², Vol: 39752.0m³

Step 17000/19999, Sim Time: 11012.638s (+5.452e-01s), Max Depth: 0.7332885087m, Max Vel: 0.5276640350m/s, Area: 130900.0m², Vol: 39745.6m³

Step 17100/19999, Sim Time: 11067.161s (+5.452e-01s), Max Depth: 0.7332381278m, Max Vel: 0.5276075713m/s, Area: 130875.0m², Vol: 39739.5m³

Step 17200/19999, Sim Time: 11121.686s (+5.453e-01s), Max Depth: 0.7331935315m, Max Vel: 0.5275467166m/s, Area: 130875.0m², Vol: 39733.7m³

Step 17300/19999, Sim Time: 11176.214s (+5.453e-01s), Max Depth: 0.7331547366m, Max Vel: 0.5274823492m/s, Area: 130850.0m², Vol: 39728.0m³

Step 17400/19999, Sim Time: 11230.743s (+5.453e-01s), Max Depth: 0.7331216959m, Max Vel: 0.5274136917m/s, Area: 130850.0m², Vol: 39722.6m³

Step 17500/19999, Sim Time: 11285.275s (+5.453e-01s), Max Depth: 0.7330944685m, Max Vel: 0.5273436834m/s, Area: 130825.0m², Vol: 39717.6m³

Step 17600/19999, Sim Time: 11339.809s (+5.453e-01s), Max Depth: 0.7330732153m, Max Vel: 0.5272724118m/s, Area: 130825.0m², Vol: 39713.1m³

Step 17700/19999, Sim Time: 11394.345s (+5.454e-01s), Max Depth: 0.7330579789m, Max Vel: 0.5272009707m/s, Area: 130825.0m², Vol: 39709.2m³

Step 17800/19999, Sim Time: 11448.882s (+5.454e-01s), Max Depth: 0.7330487354m, Max Vel: 0.5271298444m/s, Area: 130825.0m², Vol: 39705.8m³

Step 17900/19999, Sim Time: 11503.421s (+5.454e-01s), Max Depth: 0.7330453786m, Max Vel: 0.5270591586m/s, Area: 130825.0m², Vol: 39703.0m³

Step 18000/19999, Sim Time: 11557.961s (+5.454e-01s), Max Depth: 0.7330476896m, Max Vel: 0.5269888434m/s, Area: 130800.0m², Vol: 39700.7m³

Step 18100/19999, Sim Time: 11612.501s (+5.454e-01s), Max Depth: 0.7330554154m, Max Vel: 0.5269192678m/s, Area: 130750.0m², Vol: 39698.6m³

Step 18200/19999, Sim Time: 11667.043s (+5.454e-01s), Max Depth: 0.7330682594m, Max Vel: 0.5268502993m/s, Area: 130750.0m², Vol: 39696.8m³

Step 18300/19999, Sim Time: 11721.586s (+5.454e-01s), Max Depth: 0.7330858821m, Max Vel: 0.5267821920m/s, Area: 130700.0m², Vol: 39695.3m³

Step 18400/19999, Sim Time: 11776.129s (+5.454e-01s), Max Depth: 0.7331079071m, Max Vel: 0.5267146805m/s, Area: 130675.0m², Vol: 39694.0m³

Step 18500/19999, Sim Time: 11830.672s (+5.454e-01s), Max Depth: 0.7331339285m, Max Vel: 0.5266481213m/s, Area: 130600.0m², Vol: 39692.7m³

Step 18600/19999, Sim Time: 11885.216s (+5.454e-01s), Max Depth: 0.7331635920m, Max Vel: 0.5265826513m/s, Area: 130625.0m², Vol: 39691.7m³

Step 18700/19999, Sim Time: 11939.759s (+5.454e-01s), Max Depth: 0.7331965316m, Max Vel: 0.5265184073m/s, Area: 130625.0m², Vol: 39691.0m³

Step 18800/19999, Sim Time: 11994.303s (+5.454e-01s), Max Depth: 0.7332322565m, Max Vel: 0.5264522446m/s, Area: 130625.0m², Vol: 39690.7m³

Step 18900/19999, Sim Time: 12048.847s (+5.454e-01s), Max Depth: 0.7332700467m, Max Vel: 0.5263863480m/s, Area: 130600.0m², Vol: 39690.7m³

Step 19000/19999, Sim Time: 12103.391s (+5.454e-01s), Max Depth: 0.7333098494m, Max Vel: 0.5263215649m/s, Area: 130650.0m², Vol: 39691.1m³

Step 19100/19999, Sim Time: 12157.934s (+5.454e-01s), Max Depth: 0.7333514688m, Max Vel: 0.5262590183m/s, Area: 130650.0m², Vol: 39691.9m³

Step 19200/19999, Sim Time: 12212.477s (+5.454e-01s), Max Depth: 0.7333946851m, Max Vel: 0.5261992596m/s, Area: 130625.0m², Vol: 39693.0m³

Step 19300/19999, Sim Time: 12267.020s (+5.454e-01s), Max Depth: 0.7334392710m, Max Vel: 0.5261424209m/s, Area: 130675.0m², Vol: 39694.6m³

Step 19400/19999, Sim Time: 12321.563s (+5.454e-01s), Max Depth: 0.7334849470m, Max Vel: 0.5260885293m/s, Area: 130725.0m², Vol: 39696.6m³

Step 19500/19999, Sim Time: 12376.104s (+5.454e-01s), Max Depth: 0.7335314523m, Max Vel: 0.5260375832m/s, Area: 130775.0m², Vol: 39699.3m³

Step 19600/19999, Sim Time: 12430.646s (+5.454e-01s), Max Depth: 0.7335785129m, Max Vel: 0.5259895917m/s, Area: 130800.0m², Vol: 39702.7m³

Step 19700/19999, Sim Time: 12485.186s (+5.454e-01s), Max Depth: 0.7336258598m, Max Vel: 0.5259445568m/s, Area: 130825.0m², Vol: 39706.5m³

Step 19800/19999, Sim Time: 12539.726s (+5.454e-01s), Max Depth: 0.7336732337m, Max Vel: 0.5259024719m/s, Area: 130800.0m², Vol: 39710.6m³

Step 19900/19999, Sim Time: 12594.265s (+5.454e-01s), Max Depth: 0.7337203824m, Max Vel: 0.5258633370m/s, Area: 130825.0m², Vol: 39714.9m³

Step 19999/19999, Sim Time: 12648.258s (+5.454e-01s), Max Depth: 0.7337666009m, Max Vel: 0.5258274906m/s, Area: 130825.0m², Vol: 39719.5m³

Simulation finished 20000 steps in 171.18 seconds (wall clock).

Final Maximum Flood Extent Area: 134625.00 m²

Peak Recorded Water Depth Anywhere: 0.735 m

Phase 1 simulation complete. Final sim time: 12648.26s

End of Phase 1 at Sim Time: 12648.26s. Stored steady\_state\_h.

--- Starting Phase 2: Rainfall & WSE Monitoring (30000 steps) ---

Added rainfall: rate=3.298611111111111e-06 m/s, duration=30000 steps

Added rainfall for Phase 2: 11.875 mm/hr

Step 0/29999, Sim Time: 0.545s (+5.454e-01s), Max Depth: 0.7337688090m, Max Vel: 0.5258271432m/s, Area: 130825.0m², Vol: 39721.4m³

Step 100/29999, Sim Time: 55.016s (+5.386e-01s), Max Depth: 0.7339772269m, Max Vel: 0.5683135650m/s, Area: 130850.0m², Vol: 39905.9m³

Step 200/29999, Sim Time: 106.673s (+4.799e-01s), Max Depth: 0.8463786257m, Max Vel: 0.7714437561m/s, Area: 130875.0m², Vol: 40080.1m³

Step 300/29999, Sim Time: 131.281s (+1.319e-01s), Max Depth: 1.0912782784m, Max Vel: 9.9999999998m/s, Area: 130925.0m², Vol: 40166.4m³

Step 400/29999, Sim Time: 144.278s (+1.284e-01s), Max Depth: 1.3470959980m, Max Vel: 9.9999999994m/s, Area: 130925.0m², Vol: 40216.4m³

Step 500/29999, Sim Time: 157.085s (+1.363e-01s), Max Depth: 1.3924836335m, Max Vel: 8.9064652650m/s, Area: 130950.0m², Vol: 40262.0m³

Step 600/29999, Sim Time: 192.597s (+4.355e-01s), Max Depth: 0.9462927160m, Max Vel: 0.9566928596m/s, Area: 131025.0m², Vol: 40386.6m³

Step 700/29999, Sim Time: 225.486s (+1.380e-01s), Max Depth: 0.7346244717m, Max Vel: 9.9999999991m/s, Area: 131225.0m², Vol: 40502.2m³

Step 800/29999, Sim Time: 258.590s (+1.380e-01s), Max Depth: 0.7347438813m, Max Vel: 9.9999999990m/s, Area: 131325.0m², Vol: 40622.3m³

Step 900/29999, Sim Time: 272.386s (+1.380e-01s), Max Depth: 0.7347921420m, Max Vel: 9.9999999990m/s, Area: 131425.0m², Vol: 40672.3m³

Step 1000/29999, Sim Time: 286.182s (+1.380e-01s), Max Depth: 0.7348393162m, Max Vel: 9.9999999990m/s, Area: 131475.0m², Vol: 40721.8m³

Step 1100/29999, Sim Time: 299.978s (+1.380e-01s), Max Depth: 0.7348853463m, Max Vel: 9.9999999990m/s, Area: 131525.0m², Vol: 40769.8m³

Step 1200/29999, Sim Time: 313.774s (+1.380e-01s), Max Depth: 0.7349302215m, Max Vel: 9.9999999990m/s, Area: 131625.0m², Vol: 40819.5m³

Step 1300/29999, Sim Time: 327.569s (+1.380e-01s), Max Depth: 0.7349739190m, Max Vel: 9.9999999990m/s, Area: 131650.0m², Vol: 40870.3m³

Step 1400/29999, Sim Time: 341.365s (+1.380e-01s), Max Depth: 0.7350164529m, Max Vel: 9.9999999990m/s, Area: 131750.0m², Vol: 40920.7m³

Step 1500/29999, Sim Time: 355.160s (+1.380e-01s), Max Depth: 0.7350577870m, Max Vel: 9.9999999990m/s, Area: 131775.0m², Vol: 40970.7m³

Step 1600/29999, Sim Time: 368.956s (+1.380e-01s), Max Depth: 0.7350978078m, Max Vel: 9.9999999990m/s, Area: 131800.0m², Vol: 41019.1m³

Step 1700/29999, Sim Time: 382.751s (+1.380e-01s), Max Depth: 0.7351364532m, Max Vel: 9.9999999990m/s, Area: 131900.0m², Vol: 41068.3m³

Step 1800/29999, Sim Time: 396.546s (+1.380e-01s), Max Depth: 0.7351737375m, Max Vel: 9.9999999990m/s, Area: 132000.0m², Vol: 41117.9m³

Step 1900/29999, Sim Time: 410.342s (+1.380e-01s), Max Depth: 0.7352096497m, Max Vel: 9.9999999990m/s, Area: 132125.0m², Vol: 41168.2m³

Step 2000/29999, Sim Time: 424.137s (+1.380e-01s), Max Depth: 0.7352441387m, Max Vel: 9.9999999990m/s, Area: 132150.0m², Vol: 41218.7m³

Step 2100/29999, Sim Time: 437.932s (+1.380e-01s), Max Depth: 0.7352771808m, Max Vel: 9.9999999990m/s, Area: 132250.0m², Vol: 41268.9m³

Step 2200/29999, Sim Time: 451.727s (+1.379e-01s), Max Depth: 0.7353087552m, Max Vel: 9.9999999990m/s, Area: 132250.0m², Vol: 41318.7m³

Step 2300/29999, Sim Time: 465.522s (+1.379e-01s), Max Depth: 0.7353391018m, Max Vel: 9.9999999990m/s, Area: 132425.0m², Vol: 41367.5m³

Step 2400/29999, Sim Time: 479.317s (+1.379e-01s), Max Depth: 0.7353688343m, Max Vel: 9.9999999990m/s, Area: 132525.0m², Vol: 41416.0m³

Step 2500/29999, Sim Time: 493.112s (+1.379e-01s), Max Depth: 0.7353966401m, Max Vel: 9.9999999990m/s, Area: 132600.0m², Vol: 41464.0m³

Step 2600/29999, Sim Time: 506.906s (+1.379e-01s), Max Depth: 0.7354234048m, Max Vel: 9.9999999990m/s, Area: 132600.0m², Vol: 41511.3m³

Step 2700/29999, Sim Time: 520.701s (+1.379e-01s), Max Depth: 0.7354467511m, Max Vel: 9.9999999990m/s, Area: 132550.0m², Vol: 41558.3m³

Step 2800/29999, Sim Time: 534.496s (+1.379e-01s), Max Depth: 0.7354690794m, Max Vel: 9.9999999990m/s, Area: 132650.0m², Vol: 41604.7m³

Step 2900/29999, Sim Time: 548.290s (+1.379e-01s), Max Depth: 0.7354902573m, Max Vel: 9.9999999990m/s, Area: 132725.0m², Vol: 41651.4m³

Step 3000/29999, Sim Time: 562.085s (+1.379e-01s), Max Depth: 0.7355093802m, Max Vel: 9.9999999990m/s, Area: 132675.0m², Vol: 41697.1m³

Step 3100/29999, Sim Time: 575.880s (+1.379e-01s), Max Depth: 0.7355280778m, Max Vel: 9.9999999990m/s, Area: 132800.0m², Vol: 41742.4m³

Step 3200/29999, Sim Time: 589.674s (+1.379e-01s), Max Depth: 0.7355441000m, Max Vel: 9.9999999990m/s, Area: 132725.0m², Vol: 41787.0m³

Step 3300/29999, Sim Time: 609.095s (+1.379e-01s), Max Depth: 0.7355643945m, Max Vel: 9.9999999998m/s, Area: 132825.0m², Vol: 41856.2m³

Step 3400/29999, Sim Time: 633.243s (+5.119e-01s), Max Depth: 0.7355855704m, Max Vel: 0.7310784522m/s, Area: 132800.0m², Vol: 41940.0m³

Step 3500/29999, Sim Time: 684.870s (+5.179e-01s), Max Depth: 0.7356151091m, Max Vel: 0.6921944260m/s, Area: 132850.0m², Vol: 42105.5m³

Step 3600/29999, Sim Time: 736.641s (+5.171e-01s), Max Depth: 0.7356243322m, Max Vel: 0.6980006557m/s, Area: 132925.0m², Vol: 42276.7m³

Step 3700/29999, Sim Time: 788.253s (+5.155e-01s), Max Depth: 0.7356138491m, Max Vel: 0.7085642080m/s, Area: 133300.0m², Vol: 42447.9m³

Step 3800/29999, Sim Time: 839.794s (+5.153e-01s), Max Depth: 0.7355848816m, Max Vel: 0.7100003181m/s, Area: 133325.0m², Vol: 42617.8m³

Step 3900/29999, Sim Time: 891.233s (+4.598e-01s), Max Depth: 0.7355395479m, Max Vel: 1.3719813902m/s, Area: 133475.0m², Vol: 42786.4m³

Step 4000/29999, Sim Time: 927.847s (+5.143e-01s), Max Depth: 0.7354987080m, Max Vel: 0.7167116151m/s, Area: 133375.0m², Vol: 42907.1m³

Step 4100/29999, Sim Time: 979.246s (+5.138e-01s), Max Depth: 0.7354281643m, Max Vel: 0.7203424150m/s, Area: 133500.0m², Vol: 43076.8m³

Step 4200/29999, Sim Time: 1030.579s (+5.131e-01s), Max Depth: 0.7353445723m, Max Vel: 0.7246569620m/s, Area: 133600.0m², Vol: 43247.2m³

Step 4300/29999, Sim Time: 1081.860s (+5.127e-01s), Max Depth: 0.7352568599m, Max Vel: 0.7278085240m/s, Area: 133725.0m², Vol: 43418.5m³

Step 4400/29999, Sim Time: 1133.109s (+5.123e-01s), Max Depth: 0.7351538613m, Max Vel: 0.7303279550m/s, Area: 133775.0m², Vol: 43590.6m³

Step 4500/29999, Sim Time: 1184.321s (+5.119e-01s), Max Depth: 0.7350387952m, Max Vel: 0.7336654254m/s, Area: 133800.0m², Vol: 43763.5m³

Step 4600/29999, Sim Time: 1235.489s (+5.115e-01s), Max Depth: 0.7349115842m, Max Vel: 0.7364296758m/s, Area: 133875.0m², Vol: 43937.2m³

Step 4700/29999, Sim Time: 1286.608s (+5.110e-01s), Max Depth: 0.7347734291m, Max Vel: 0.7402895983m/s, Area: 133950.0m², Vol: 44111.4m³

Step 4800/29999, Sim Time: 1336.317s (+3.042e-01s), Max Depth: 0.7346302567m, Max Vel: 3.2560245583m/s, Area: 134125.0m², Vol: 44281.0m³

Step 4900/29999, Sim Time: 1355.067s (+5.066e-01s), Max Depth: 0.7345746733m, Max Vel: 0.7617190749m/s, Area: 134075.0m², Vol: 44350.9m³

Step 5000/29999, Sim Time: 1406.151s (+5.109e-01s), Max Depth: 0.7344184800m, Max Vel: 0.7409857677m/s, Area: 134425.0m², Vol: 44524.9m³

Step 5100/29999, Sim Time: 1446.778s (+1.380e-01s), Max Depth: 0.7342909915m, Max Vel: 9.9999999990m/s, Area: 134450.0m², Vol: 44665.1m³

Step 5200/29999, Sim Time: 1480.279s (+5.128e-01s), Max Depth: 0.7341839298m, Max Vel: 0.7295106139m/s, Area: 134400.0m², Vol: 44785.1m³

Step 5300/29999, Sim Time: 1531.689s (+5.161e-01s), Max Depth: 0.7340180757m, Max Vel: 0.7066958355m/s, Area: 134475.0m², Vol: 44960.5m³

Step 5400/29999, Sim Time: 1583.310s (+5.176e-01s), Max Depth: 0.7338505309m, Max Vel: 0.6979004117m/s, Area: 134700.0m², Vol: 45137.5m³

Step 5500/29999, Sim Time: 1635.084s (+5.185e-01s), Max Depth: 0.7336830574m, Max Vel: 0.6924235107m/s, Area: 134725.0m², Vol: 45316.7m³

Step 5600/29999, Sim Time: 1686.962s (+5.193e-01s), Max Depth: 0.7335172313m, Max Vel: 0.6873425488m/s, Area: 134950.0m², Vol: 45497.1m³

Step 5700/29999, Sim Time: 1738.929s (+5.201e-01s), Max Depth: 0.7333544235m, Max Vel: 0.6824005907m/s, Area: 135050.0m², Vol: 45679.0m³

Step 5800/29999, Sim Time: 1790.967s (+5.204e-01s), Max Depth: 0.7331955919m, Max Vel: 0.6806833490m/s, Area: 135200.0m², Vol: 45862.5m³

Step 5900/29999, Sim Time: 1843.026s (+5.210e-01s), Max Depth: 0.7330417898m, Max Vel: 0.6772261775m/s, Area: 135375.0m², Vol: 46046.8m³

Step 6000/29999, Sim Time: 1895.190s (+5.222e-01s), Max Depth: 0.7328937329m, Max Vel: 0.6694948418m/s, Area: 135375.0m², Vol: 46232.4m³

Step 6100/29999, Sim Time: 1947.432s (+5.225e-01s), Max Depth: 0.7327526937m, Max Vel: 0.6679539286m/s, Area: 135475.0m², Vol: 46419.1m³

Step 6200/29999, Sim Time: 1999.725s (+5.234e-01s), Max Depth: 0.7326193196m, Max Vel: 0.6624980110m/s, Area: 135550.0m², Vol: 46606.2m³

Step 6300/29999, Sim Time: 2052.125s (+5.246e-01s), Max Depth: 0.7324917345m, Max Vel: 0.6551061389m/s, Area: 135700.0m², Vol: 46794.4m³

Step 6400/29999, Sim Time: 2104.645s (+5.257e-01s), Max Depth: 0.7323709771m, Max Vel: 0.6484196031m/s, Area: 135950.0m², Vol: 46983.3m³

Step 6500/29999, Sim Time: 2157.259s (+5.266e-01s), Max Depth: 0.7322568568m, Max Vel: 0.6432788332m/s, Area: 136000.0m², Vol: 47174.4m³

Step 6600/29999, Sim Time: 2209.954s (+5.273e-01s), Max Depth: 0.7321492634m, Max Vel: 0.6386157181m/s, Area: 136125.0m², Vol: 47367.1m³

Step 6700/29999, Sim Time: 2235.865s (+1.380e-01s), Max Depth: 0.7320987557m, Max Vel: 9.9999999991m/s, Area: 136225.0m², Vol: 47464.2m³

Step 6800/29999, Sim Time: 2277.451s (+5.280e-01s), Max Depth: 0.7320209156m, Max Vel: 0.6338083499m/s, Area: 136225.0m², Vol: 47621.2m³

Step 6900/29999, Sim Time: 2308.452s (+1.380e-01s), Max Depth: 0.7319653964m, Max Vel: 9.9999999992m/s, Area: 136300.0m², Vol: 47737.2m³

Step 7000/29999, Sim Time: 2353.621s (+5.305e-01s), Max Depth: 0.7318881067m, Max Vel: 0.6197071580m/s, Area: 136425.0m², Vol: 47906.7m³

Step 7100/29999, Sim Time: 2406.621s (+5.307e-01s), Max Depth: 0.7318027237m, Max Vel: 0.6180465560m/s, Area: 136450.0m², Vol: 48101.9m³

Step 7200/29999, Sim Time: 2457.505s (+1.380e-01s), Max Depth: 0.7317326473m, Max Vel: 9.9999999998m/s, Area: 136500.0m², Vol: 48291.3m³

Step 7300/29999, Sim Time: 2480.810s (+5.321e-01s), Max Depth: 0.7317068093m, Max Vel: 0.6094174980m/s, Area: 136475.0m², Vol: 48384.6m³

Step 7400/29999, Sim Time: 2533.976s (+5.306e-01s), Max Depth: 0.7316623114m, Max Vel: 0.6193966101m/s, Area: 136725.0m², Vol: 48580.8m³

Step 7500/29999, Sim Time: 2586.493s (+5.325e-01s), Max Depth: 0.7316361192m, Max Vel: 0.6073625034m/s, Area: 136700.0m², Vol: 48776.4m³

Step 7600/29999, Sim Time: 2610.821s (+1.380e-01s), Max Depth: 0.7316288540m, Max Vel: 9.9999999993m/s, Area: 136775.0m², Vol: 48870.3m³

Step 7700/29999, Sim Time: 2659.019s (+5.330e-01s), Max Depth: 0.7316212748m, Max Vel: 0.6042868224m/s, Area: 136875.0m², Vol: 49053.7m³

Step 7800/29999, Sim Time: 2711.586s (+3.881e-01s), Max Depth: 0.7316202350m, Max Vel: 1.9773507675m/s, Area: 136950.0m², Vol: 49251.2m³

Step 7900/29999, Sim Time: 2764.706s (+5.328e-01s), Max Depth: 0.7316236651m, Max Vel: 0.6055494644m/s, Area: 137175.0m², Vol: 49451.5m³

Step 8000/29999, Sim Time: 2792.438s (+1.380e-01s), Max Depth: 0.7316259577m, Max Vel: 9.9999999991m/s, Area: 137200.0m², Vol: 49559.2m³

Step 8100/29999, Sim Time: 2837.903s (+5.327e-01s), Max Depth: 0.7316291890m, Max Vel: 0.6056016413m/s, Area: 137250.0m², Vol: 49735.8m³

Step 8200/29999, Sim Time: 2861.115s (+5.309e-01s), Max Depth: 0.7316303275m, Max Vel: 0.6181879669m/s, Area: 137400.0m², Vol: 49829.8m³

Step 8300/29999, Sim Time: 2905.169s (+1.380e-01s), Max Depth: 0.7316334717m, Max Vel: 9.9999999990m/s, Area: 137475.0m², Vol: 49999.4m³

Step 8400/29999, Sim Time: 2930.098s (+5.329e-01s), Max Depth: 0.7316382335m, Max Vel: 0.6037869016m/s, Area: 137600.0m², Vol: 50099.5m³

Step 8500/29999, Sim Time: 2983.462s (+5.341e-01s), Max Depth: 0.7316375796m, Max Vel: 0.5970556590m/s, Area: 137550.0m², Vol: 50303.7m³

Step 8600/29999, Sim Time: 3036.976s (+5.352e-01s), Max Depth: 0.7315856709m, Max Vel: 0.5911252651m/s, Area: 137700.0m², Vol: 50511.8m³

Step 8700/29999, Sim Time: 3090.529s (+5.357e-01s), Max Depth: 0.7315112356m, Max Vel: 0.5879504529m/s, Area: 139100.0m², Vol: 50721.0m³

Step 8800/29999, Sim Time: 3132.012s (+1.380e-01s), Max Depth: 0.7314553492m, Max Vel: 9.9999999990m/s, Area: 156175.0m², Vol: 50880.7m³

Step 8900/29999, Sim Time: 3165.381s (+5.354e-01s), Max Depth: 0.7315557114m, Max Vel: 0.5898242096m/s, Area: 210225.0m², Vol: 50994.2m³

Step 9000/29999, Sim Time: 3189.507s (+2.618e-01s), Max Depth: 0.7317601353m, Max Vel: 3.1472971002m/s, Area: 277875.0m², Vol: 51049.8m³

Step 9100/29999, Sim Time: 3217.527s (+1.380e-01s), Max Depth: 0.7325055203m, Max Vel: 9.9999999997m/s, Area: 341475.0m², Vol: 51088.8m³

Step 9200/29999, Sim Time: 3239.538s (+1.473e-01s), Max Depth: 0.7332054882m, Max Vel: 8.7431909188m/s, Area: 376575.0m², Vol: 51114.8m³

Step 9300/29999, Sim Time: 3259.505s (+3.700e-01s), Max Depth: 0.7338760554m, Max Vel: 1.5564955374m/s, Area: 389700.0m², Vol: 51135.5m³

Step 9400/29999, Sim Time: 3281.231s (+4.069e-01s), Max Depth: 0.7346530572m, Max Vel: 1.2546420713m/s, Area: 398175.0m², Vol: 51157.5m³

Step 9500/29999, Sim Time: 3304.815s (+5.139e-01s), Max Depth: 0.7357175830m, Max Vel: 0.7105512855m/s, Area: 401600.0m², Vol: 51185.0m³

Step 9600/29999, Sim Time: 3327.867s (+4.920e-01s), Max Depth: 0.7368092023m, Max Vel: 0.8070547069m/s, Area: 404775.0m², Vol: 51211.2m³

Step 9700/29999, Sim Time: 3349.363s (+4.086e-01s), Max Depth: 0.7379040153m, Max Vel: 1.2471460426m/s, Area: 409150.0m², Vol: 51240.8m³

Step 9800/29999, Sim Time: 3378.667s (+1.379e-01s), Max Depth: 0.7395271952m, Max Vel: 9.9999999994m/s, Area: 411650.0m², Vol: 51290.1m³

Step 9900/29999, Sim Time: 3407.357s (+1.378e-01s), Max Depth: 0.7419647491m, Max Vel: 9.9999999998m/s, Area: 415925.0m², Vol: 51347.8m³

Step 10000/29999, Sim Time: 3427.593s (+1.378e-01s), Max Depth: 0.7434426730m, Max Vel: 9.9999999999m/s, Area: 418250.0m², Vol: 51394.0m³

Step 10100/29999, Sim Time: 3451.829s (+1.378e-01s), Max Depth: 0.7450840821m, Max Vel: 9.9999999990m/s, Area: 421625.0m², Vol: 51456.6m³

Step 10200/29999, Sim Time: 3478.400s (+2.619e-01s), Max Depth: 0.7460699352m, Max Vel: 4.0581192883m/s, Area: 421350.0m², Vol: 51529.6m³

Step 10300/29999, Sim Time: 3495.552s (+1.998e-01s), Max Depth: 0.7472016895m, Max Vel: 5.3211479989m/s, Area: 424800.0m², Vol: 51578.2m³

Step 10400/29999, Sim Time: 3535.252s (+3.540e-01s), Max Depth: 0.7503787829m, Max Vel: 2.2414323276m/s, Area: 426550.0m², Vol: 51698.0m³

Step 10500/29999, Sim Time: 3550.086s (+1.376e-01s), Max Depth: 0.7515717286m, Max Vel: 9.9999999990m/s, Area: 429825.0m², Vol: 51750.8m³

Step 10600/29999, Sim Time: 3563.847s (+1.376e-01s), Max Depth: 0.7535081059m, Max Vel: 9.9999999990m/s, Area: 430925.0m², Vol: 51800.7m³

Step 10700/29999, Sim Time: 3577.603s (+1.375e-01s), Max Depth: 0.7569633571m, Max Vel: 9.9999999990m/s, Area: 433625.0m², Vol: 51856.9m³

Step 10800/29999, Sim Time: 3591.353s (+1.375e-01s), Max Depth: 0.7590036441m, Max Vel: 9.9999999990m/s, Area: 436275.0m², Vol: 51918.1m³

Step 10900/29999, Sim Time: 3605.100s (+1.374e-01s), Max Depth: 0.7610282183m, Max Vel: 9.9999999990m/s, Area: 438225.0m², Vol: 51981.8m³

Step 11000/29999, Sim Time: 3618.841s (+1.374e-01s), Max Depth: 0.7652590594m, Max Vel: 9.9999999990m/s, Area: 439925.0m², Vol: 52048.6m³

Step 11100/29999, Sim Time: 3632.574s (+1.373e-01s), Max Depth: 0.7681360128m, Max Vel: 9.9999999990m/s, Area: 442400.0m², Vol: 52118.8m³

Step 11200/29999, Sim Time: 3646.302s (+1.373e-01s), Max Depth: 0.7709201388m, Max Vel: 9.9999999990m/s, Area: 441250.0m², Vol: 52191.2m³

Step 11300/29999, Sim Time: 3660.026s (+1.372e-01s), Max Depth: 0.7739299807m, Max Vel: 9.9999999990m/s, Area: 441475.0m², Vol: 52267.9m³

Step 11400/29999, Sim Time: 3673.740s (+1.371e-01s), Max Depth: 0.7791162223m, Max Vel: 9.9999999990m/s, Area: 445900.0m², Vol: 52347.6m³

Step 11500/29999, Sim Time: 3687.446s (+1.370e-01s), Max Depth: 0.7828107542m, Max Vel: 9.9999999990m/s, Area: 446600.0m², Vol: 52430.0m³

Step 11600/29999, Sim Time: 3701.145s (+1.369e-01s), Max Depth: 0.7870687520m, Max Vel: 9.9999999990m/s, Area: 447175.0m², Vol: 52515.5m³

Step 11700/29999, Sim Time: 3714.836s (+1.369e-01s), Max Depth: 0.7916408778m, Max Vel: 9.9999999990m/s, Area: 448175.0m², Vol: 52603.3m³

Step 11800/29999, Sim Time: 3728.517s (+1.368e-01s), Max Depth: 0.7959744467m, Max Vel: 9.9999999990m/s, Area: 449250.0m², Vol: 52691.6m³

Step 11900/29999, Sim Time: 3742.192s (+1.367e-01s), Max Depth: 0.7992984691m, Max Vel: 9.9999999990m/s, Area: 451850.0m², Vol: 52782.5m³

Step 12000/29999, Sim Time: 3755.860s (+1.366e-01s), Max Depth: 0.8034707143m, Max Vel: 9.9999999990m/s, Area: 452050.0m², Vol: 52876.4m³

Step 12100/29999, Sim Time: 3769.520s (+1.365e-01s), Max Depth: 0.8083478281m, Max Vel: 9.9999999990m/s, Area: 453550.0m², Vol: 52970.4m³

Step 12200/29999, Sim Time: 3783.171s (+1.365e-01s), Max Depth: 0.8121750063m, Max Vel: 9.9999999990m/s, Area: 454150.0m², Vol: 53063.5m³

Step 12300/29999, Sim Time: 3796.816s (+1.364e-01s), Max Depth: 0.8143913180m, Max Vel: 9.9999999990m/s, Area: 455275.0m², Vol: 53155.6m³

Step 12400/29999, Sim Time: 3810.458s (+1.364e-01s), Max Depth: 0.8170337083m, Max Vel: 9.9999999990m/s, Area: 454900.0m², Vol: 53246.3m³

Step 12500/29999, Sim Time: 3824.094s (+1.363e-01s), Max Depth: 0.8202099185m, Max Vel: 9.9999999990m/s, Area: 455175.0m², Vol: 53335.1m³

Step 12600/29999, Sim Time: 3837.724s (+1.363e-01s), Max Depth: 0.8228372135m, Max Vel: 9.9999999990m/s, Area: 460300.0m², Vol: 53423.1m³

Step 12700/29999, Sim Time: 3851.350s (+1.362e-01s), Max Depth: 0.8254452760m, Max Vel: 9.9999999990m/s, Area: 460850.0m², Vol: 53510.5m³

Step 12800/29999, Sim Time: 3864.971s (+1.362e-01s), Max Depth: 0.8279694987m, Max Vel: 9.9999999990m/s, Area: 461150.0m², Vol: 53595.6m³

Step 12900/29999, Sim Time: 3878.587s (+1.361e-01s), Max Depth: 0.8300852750m, Max Vel: 9.9999999990m/s, Area: 461975.0m², Vol: 53680.5m³

Step 13000/29999, Sim Time: 3892.201s (+1.361e-01s), Max Depth: 0.8316643402m, Max Vel: 9.9999999990m/s, Area: 463125.0m², Vol: 53765.4m³

Step 13100/29999, Sim Time: 3905.811s (+1.361e-01s), Max Depth: 0.8339210697m, Max Vel: 9.9999999990m/s, Area: 465625.0m², Vol: 53849.7m³

Step 13200/29999, Sim Time: 3919.416s (+1.360e-01s), Max Depth: 0.8363822486m, Max Vel: 9.9999999990m/s, Area: 466450.0m², Vol: 53934.1m³

Step 13300/29999, Sim Time: 3933.018s (+1.360e-01s), Max Depth: 0.8382928529m, Max Vel: 9.9999999990m/s, Area: 467375.0m², Vol: 54017.8m³

Step 13400/29999, Sim Time: 3946.616s (+1.360e-01s), Max Depth: 0.8401405983m, Max Vel: 9.9999999990m/s, Area: 468575.0m², Vol: 54101.1m³

Step 13500/29999, Sim Time: 3960.211s (+1.359e-01s), Max Depth: 0.8422538079m, Max Vel: 9.9999999990m/s, Area: 469850.0m², Vol: 54184.6m³

Step 13600/29999, Sim Time: 3973.802s (+1.359e-01s), Max Depth: 0.8443753067m, Max Vel: 9.9999999990m/s, Area: 468375.0m², Vol: 54268.6m³

Step 13700/29999, Sim Time: 3987.389s (+1.359e-01s), Max Depth: 0.8463004965m, Max Vel: 9.9999999990m/s, Area: 470375.0m², Vol: 54350.6m³

Step 13800/29999, Sim Time: 4000.973s (+1.358e-01s), Max Depth: 0.8481050867m, Max Vel: 9.9999999990m/s, Area: 471425.0m², Vol: 54433.8m³

Step 13900/29999, Sim Time: 4014.554s (+1.358e-01s), Max Depth: 0.8494906010m, Max Vel: 9.9999999990m/s, Area: 472325.0m², Vol: 54517.4m³

Step 14000/29999, Sim Time: 4028.133s (+1.358e-01s), Max Depth: 0.8508132809m, Max Vel: 9.9999999990m/s, Area: 473625.0m², Vol: 54600.7m³

Step 14100/29999, Sim Time: 4041.709s (+1.357e-01s), Max Depth: 0.8521923050m, Max Vel: 9.9999999990m/s, Area: 473250.0m², Vol: 54683.3m³

Step 14200/29999, Sim Time: 4055.283s (+1.357e-01s), Max Depth: 0.8533363077m, Max Vel: 9.9999999990m/s, Area: 476775.0m², Vol: 54766.2m³

Step 14300/29999, Sim Time: 4068.855s (+1.357e-01s), Max Depth: 0.8546988914m, Max Vel: 9.9999999990m/s, Area: 476250.0m², Vol: 54848.3m³

Step 14400/29999, Sim Time: 4082.424s (+1.357e-01s), Max Depth: 0.8562447406m, Max Vel: 9.9999999990m/s, Area: 477450.0m², Vol: 54930.9m³

Step 14500/29999, Sim Time: 4095.990s (+1.356e-01s), Max Depth: 0.8578492234m, Max Vel: 9.9999999990m/s, Area: 479350.0m², Vol: 55014.3m³

Step 14600/29999, Sim Time: 4109.554s (+1.356e-01s), Max Depth: 0.8592575552m, Max Vel: 9.9999999990m/s, Area: 479400.0m², Vol: 55096.9m³

Step 14700/29999, Sim Time: 4123.115s (+1.356e-01s), Max Depth: 0.8608175992m, Max Vel: 9.9999999990m/s, Area: 479075.0m², Vol: 55180.5m³

Step 14800/29999, Sim Time: 4136.673s (+1.356e-01s), Max Depth: 0.8624395304m, Max Vel: 9.9999999990m/s, Area: 480400.0m², Vol: 55264.5m³

Step 14900/29999, Sim Time: 4150.229s (+1.355e-01s), Max Depth: 0.8638450922m, Max Vel: 9.9999999990m/s, Area: 480825.0m², Vol: 55347.2m³

Step 15000/29999, Sim Time: 4163.782s (+1.355e-01s), Max Depth: 0.8651081803m, Max Vel: 9.9999999990m/s, Area: 482725.0m², Vol: 55430.1m³

Step 15100/29999, Sim Time: 4177.333s (+1.355e-01s), Max Depth: 0.8661406708m, Max Vel: 9.9999999990m/s, Area: 484850.0m², Vol: 55514.6m³

Step 15200/29999, Sim Time: 4190.882s (+1.355e-01s), Max Depth: 0.8668764223m, Max Vel: 9.9999999990m/s, Area: 485450.0m², Vol: 55596.7m³

Step 15300/29999, Sim Time: 4204.431s (+1.355e-01s), Max Depth: 0.8673463125m, Max Vel: 9.9999999990m/s, Area: 485025.0m², Vol: 55678.4m³

Step 15400/29999, Sim Time: 4217.979s (+1.355e-01s), Max Depth: 0.8677379740m, Max Vel: 9.9999999990m/s, Area: 486500.0m², Vol: 55759.2m³

Step 15500/29999, Sim Time: 4231.526s (+1.355e-01s), Max Depth: 0.8679063029m, Max Vel: 9.9999999990m/s, Area: 487000.0m², Vol: 55837.4m³

Step 15600/29999, Sim Time: 4245.073s (+1.355e-01s), Max Depth: 0.8678651154m, Max Vel: 9.9999999990m/s, Area: 487975.0m², Vol: 55914.2m³

Step 15700/29999, Sim Time: 4258.620s (+1.355e-01s), Max Depth: 0.8681590682m, Max Vel: 9.9999999990m/s, Area: 490350.0m², Vol: 55990.9m³

Step 15800/29999, Sim Time: 4272.166s (+1.355e-01s), Max Depth: 0.8684739842m, Max Vel: 9.9999999990m/s, Area: 491050.0m², Vol: 56066.7m³

Step 15900/29999, Sim Time: 4285.712s (+1.355e-01s), Max Depth: 0.8688568419m, Max Vel: 9.9999999990m/s, Area: 491575.0m², Vol: 56142.4m³

Step 16000/29999, Sim Time: 4299.257s (+1.354e-01s), Max Depth: 0.8694390312m, Max Vel: 9.9999999990m/s, Area: 491300.0m², Vol: 56217.0m³

Step 16100/29999, Sim Time: 4312.801s (+1.354e-01s), Max Depth: 0.8700592403m, Max Vel: 9.9999999990m/s, Area: 493400.0m², Vol: 56297.5m³

Step 16200/29999, Sim Time: 4326.344s (+1.354e-01s), Max Depth: 0.8706346973m, Max Vel: 9.9999999990m/s, Area: 493450.0m², Vol: 56372.1m³

Step 16300/29999, Sim Time: 4339.885s (+1.354e-01s), Max Depth: 0.8711072318m, Max Vel: 9.9999999990m/s, Area: 495400.0m², Vol: 56448.1m³

Step 16400/29999, Sim Time: 4353.427s (+1.354e-01s), Max Depth: 0.8714965192m, Max Vel: 9.9999999990m/s, Area: 496225.0m², Vol: 56525.2m³

Step 16500/29999, Sim Time: 4366.967s (+1.354e-01s), Max Depth: 0.8718758567m, Max Vel: 9.9999999990m/s, Area: 496425.0m², Vol: 56602.1m³

Step 16600/29999, Sim Time: 4380.507s (+1.354e-01s), Max Depth: 0.8723901560m, Max Vel: 9.9999999990m/s, Area: 497725.0m², Vol: 56678.9m³

Step 16700/29999, Sim Time: 4394.046s (+1.354e-01s), Max Depth: 0.8726520739m, Max Vel: 9.9999999990m/s, Area: 499150.0m², Vol: 56754.6m³

Step 16800/29999, Sim Time: 4407.584s (+1.354e-01s), Max Depth: 0.8727656653m, Max Vel: 9.9999999990m/s, Area: 498125.0m², Vol: 56830.0m³

Step 16900/29999, Sim Time: 4421.122s (+1.354e-01s), Max Depth: 0.8732499293m, Max Vel: 9.9999999990m/s, Area: 498325.0m², Vol: 56906.2m³

Step 17000/29999, Sim Time: 4434.660s (+1.354e-01s), Max Depth: 0.8734593263m, Max Vel: 9.9999999990m/s, Area: 499225.0m², Vol: 56982.2m³

Step 17100/29999, Sim Time: 4448.197s (+1.354e-01s), Max Depth: 0.8737126752m, Max Vel: 9.9999999990m/s, Area: 499875.0m², Vol: 57058.4m³

Step 17200/29999, Sim Time: 4461.734s (+1.354e-01s), Max Depth: 0.8740649765m, Max Vel: 9.9999999990m/s, Area: 501000.0m², Vol: 57134.8m³

Step 17300/29999, Sim Time: 4475.270s (+1.354e-01s), Max Depth: 0.8742699608m, Max Vel: 9.9999999990m/s, Area: 503250.0m², Vol: 57212.5m³

Step 17400/29999, Sim Time: 4488.805s (+1.354e-01s), Max Depth: 0.8744908098m, Max Vel: 9.9999999990m/s, Area: 503775.0m², Vol: 57289.7m³

Step 17500/29999, Sim Time: 4502.341s (+1.354e-01s), Max Depth: 0.8747320200m, Max Vel: 9.9999999990m/s, Area: 504550.0m², Vol: 57367.1m³

Step 17600/29999, Sim Time: 4515.875s (+1.353e-01s), Max Depth: 0.8750259159m, Max Vel: 9.9999999990m/s, Area: 504400.0m², Vol: 57445.4m³

Step 17700/29999, Sim Time: 4529.410s (+1.353e-01s), Max Depth: 0.8753912098m, Max Vel: 9.9999999990m/s, Area: 504950.0m², Vol: 57525.3m³

Step 17800/29999, Sim Time: 4542.943s (+1.353e-01s), Max Depth: 0.8760787964m, Max Vel: 9.9999999990m/s, Area: 505600.0m², Vol: 57606.8m³

Step 17900/29999, Sim Time: 4556.475s (+1.353e-01s), Max Depth: 0.8774150772m, Max Vel: 9.9999999990m/s, Area: 504700.0m², Vol: 57690.6m³

Step 18000/29999, Sim Time: 4570.004s (+1.353e-01s), Max Depth: 0.8785666760m, Max Vel: 9.9999999990m/s, Area: 504600.0m², Vol: 57778.5m³

Step 18100/29999, Sim Time: 4583.532s (+1.353e-01s), Max Depth: 0.8793423792m, Max Vel: 9.9999999990m/s, Area: 505300.0m², Vol: 57869.0m³

Step 18200/29999, Sim Time: 4597.058s (+1.353e-01s), Max Depth: 0.8803340601m, Max Vel: 9.9999999990m/s, Area: 507650.0m², Vol: 57962.7m³

Step 18300/29999, Sim Time: 4610.583s (+1.352e-01s), Max Depth: 0.8811748852m, Max Vel: 9.9999999990m/s, Area: 509750.0m², Vol: 58059.8m³

Step 18400/29999, Sim Time: 4624.105s (+1.352e-01s), Max Depth: 0.8824532262m, Max Vel: 9.9999999990m/s, Area: 508375.0m², Vol: 58160.7m³

Step 18500/29999, Sim Time: 4637.626s (+1.352e-01s), Max Depth: 0.8831813510m, Max Vel: 9.9999999990m/s, Area: 509600.0m², Vol: 58264.3m³

Step 18600/29999, Sim Time: 4651.146s (+1.352e-01s), Max Depth: 0.8835625569m, Max Vel: 9.9999999990m/s, Area: 507800.0m², Vol: 58367.6m³

Step 18700/29999, Sim Time: 4664.665s (+1.352e-01s), Max Depth: 0.8844174222m, Max Vel: 9.9999999990m/s, Area: 512500.0m², Vol: 58472.5m³

Step 18800/29999, Sim Time: 4678.182s (+1.352e-01s), Max Depth: 0.8857572225m, Max Vel: 9.9999999990m/s, Area: 513575.0m², Vol: 58579.4m³

Step 18900/29999, Sim Time: 4691.697s (+1.351e-01s), Max Depth: 0.8865648378m, Max Vel: 9.9999999990m/s, Area: 513150.0m², Vol: 58688.3m³

Step 19000/29999, Sim Time: 4705.211s (+1.351e-01s), Max Depth: 0.8877467853m, Max Vel: 9.9999999990m/s, Area: 514250.0m², Vol: 58797.6m³

Step 19100/29999, Sim Time: 4718.722s (+1.351e-01s), Max Depth: 0.8889706651m, Max Vel: 9.9999999990m/s, Area: 513075.0m², Vol: 58904.4m³

Step 19200/29999, Sim Time: 4732.232s (+1.351e-01s), Max Depth: 0.8896465612m, Max Vel: 9.9999999990m/s, Area: 514100.0m², Vol: 59010.1m³

Step 19300/29999, Sim Time: 4745.740s (+1.351e-01s), Max Depth: 0.8911533373m, Max Vel: 9.9999999990m/s, Area: 516325.0m², Vol: 59116.7m³

Step 19400/29999, Sim Time: 4759.245s (+1.350e-01s), Max Depth: 0.8929126694m, Max Vel: 9.9999999990m/s, Area: 516225.0m², Vol: 59226.1m³

Step 19500/29999, Sim Time: 4772.747s (+1.350e-01s), Max Depth: 0.8947709409m, Max Vel: 9.9999999990m/s, Area: 517475.0m², Vol: 59337.5m³

Step 19600/29999, Sim Time: 4786.245s (+1.350e-01s), Max Depth: 0.8965220436m, Max Vel: 9.9999999990m/s, Area: 516675.0m², Vol: 59451.6m³

Step 19700/29999, Sim Time: 4799.739s (+1.349e-01s), Max Depth: 0.8958577479m, Max Vel: 9.9999999990m/s, Area: 517425.0m², Vol: 59225.9m³

Step 19800/29999, Sim Time: 4813.224s (+1.348e-01s), Max Depth: 0.8968883746m, Max Vel: 9.9999999990m/s, Area: 517125.0m², Vol: 59036.1m³

Step 19900/29999, Sim Time: 4826.699s (+1.347e-01s), Max Depth: 0.8958721330m, Max Vel: 9.9999999990m/s, Area: 517475.0m², Vol: 58755.5m³

Step 20000/29999, Sim Time: 4840.165s (+1.346e-01s), Max Depth: 0.8962534333m, Max Vel: 9.9999999990m/s, Area: 518025.0m², Vol: 58561.2m³

Step 20100/29999, Sim Time: 4853.621s (+1.345e-01s), Max Depth: 0.8957732395m, Max Vel: 9.9999999990m/s, Area: 518375.0m², Vol: 58253.1m³

Step 20200/29999, Sim Time: 4867.067s (+1.344e-01s), Max Depth: 0.8960219221m, Max Vel: 9.9999999990m/s, Area: 518750.0m², Vol: 58020.0m³

Step 20300/29999, Sim Time: 4880.503s (+1.343e-01s), Max Depth: 0.8953850402m, Max Vel: 9.9999999990m/s, Area: 519800.0m², Vol: 57853.9m³

Step 20400/29999, Sim Time: 4893.933s (+1.343e-01s), Max Depth: 0.8953726517m, Max Vel: 9.9999999990m/s, Area: 520825.0m², Vol: 57716.2m³

Step 20500/29999, Sim Time: 4907.354s (+1.342e-01s), Max Depth: 0.8954838370m, Max Vel: 9.9999999990m/s, Area: 520500.0m², Vol: 57508.9m³

Step 20600/29999, Sim Time: 4920.766s (+1.341e-01s), Max Depth: 0.8953871477m, Max Vel: 9.9999999990m/s, Area: 519675.0m², Vol: 57299.3m³

Step 20700/29999, Sim Time: 4934.170s (+1.340e-01s), Max Depth: 0.8948809903m, Max Vel: 9.9999999990m/s, Area: 521650.0m², Vol: 57255.3m³

Step 20800/29999, Sim Time: 4947.571s (+1.340e-01s), Max Depth: 0.8944967812m, Max Vel: 9.9999999990m/s, Area: 521275.0m², Vol: 57226.9m³

Step 20900/29999, Sim Time: 4960.967s (+1.339e-01s), Max Depth: 0.8951105868m, Max Vel: 9.9999999990m/s, Area: 520275.0m², Vol: 57187.7m³

Step 21000/29999, Sim Time: 4974.357s (+1.339e-01s), Max Depth: 0.8952451087m, Max Vel: 9.9999999990m/s, Area: 524650.0m², Vol: 57143.5m³

Step 21100/29999, Sim Time: 4987.743s (+1.339e-01s), Max Depth: 0.8949157262m, Max Vel: 9.9999999990m/s, Area: 524025.0m², Vol: 57162.3m³

Step 21200/29999, Sim Time: 5001.126s (+1.338e-01s), Max Depth: 0.8948263901m, Max Vel: 9.9999999990m/s, Area: 523825.0m², Vol: 57100.7m³

Step 21300/29999, Sim Time: 5014.503s (+1.337e-01s), Max Depth: 0.8942129610m, Max Vel: 9.9999999990m/s, Area: 524400.0m², Vol: 57003.6m³

Step 21400/29999, Sim Time: 5027.877s (+1.337e-01s), Max Depth: 0.8947734933m, Max Vel: 9.9999999990m/s, Area: 524425.0m², Vol: 57070.1m³

Step 21500/29999, Sim Time: 5041.248s (+1.337e-01s), Max Depth: 0.8940571450m, Max Vel: 9.9999999990m/s, Area: 524925.0m², Vol: 57057.4m³

Step 21600/29999, Sim Time: 5054.616s (+1.337e-01s), Max Depth: 0.8938029726m, Max Vel: 9.9999999990m/s, Area: 525725.0m², Vol: 56982.6m³

Step 21700/29999, Sim Time: 5067.978s (+1.336e-01s), Max Depth: 0.8945061900m, Max Vel: 9.9999999990m/s, Area: 526175.0m², Vol: 56964.4m³

Step 21800/29999, Sim Time: 5081.336s (+1.336e-01s), Max Depth: 0.8932999316m, Max Vel: 9.9999999990m/s, Area: 527350.0m², Vol: 56847.5m³

Step 21900/29999, Sim Time: 5094.690s (+1.335e-01s), Max Depth: 0.8941787804m, Max Vel: 9.9999999990m/s, Area: 527750.0m², Vol: 56907.1m³

Step 22000/29999, Sim Time: 5108.042s (+1.335e-01s), Max Depth: 0.8931705239m, Max Vel: 9.9999999990m/s, Area: 528350.0m², Vol: 56892.9m³

Step 22100/29999, Sim Time: 5121.393s (+1.335e-01s), Max Depth: 0.8935580642m, Max Vel: 9.9999999990m/s, Area: 528475.0m², Vol: 56958.0m³

Step 22200/29999, Sim Time: 5134.741s (+1.335e-01s), Max Depth: 0.8929883847m, Max Vel: 9.9999999990m/s, Area: 528775.0m², Vol: 56959.2m³

Step 22300/29999, Sim Time: 5148.087s (+1.335e-01s), Max Depth: 0.8931389264m, Max Vel: 9.9999999990m/s, Area: 527925.0m², Vol: 57010.0m³

Step 22400/29999, Sim Time: 5161.432s (+1.334e-01s), Max Depth: 0.8936437189m, Max Vel: 9.9999999990m/s, Area: 528350.0m², Vol: 57069.6m³

Step 22500/29999, Sim Time: 5174.774s (+1.334e-01s), Max Depth: 0.8935137857m, Max Vel: 9.9999999990m/s, Area: 528425.0m², Vol: 57071.0m³

Step 22600/29999, Sim Time: 5188.114s (+1.334e-01s), Max Depth: 0.8928275996m, Max Vel: 9.9999999990m/s, Area: 528875.0m², Vol: 57012.3m³

Step 22700/29999, Sim Time: 5201.450s (+1.333e-01s), Max Depth: 0.8920008642m, Max Vel: 9.9999999990m/s, Area: 529675.0m², Vol: 56932.2m³

Step 22800/29999, Sim Time: 5214.782s (+1.333e-01s), Max Depth: 0.8923446255m, Max Vel: 9.9999999990m/s, Area: 530650.0m², Vol: 56940.7m³

Step 22900/29999, Sim Time: 5228.111s (+1.333e-01s), Max Depth: 0.8917440512m, Max Vel: 9.9999999990m/s, Area: 531925.0m², Vol: 56899.6m³

Step 23000/29999, Sim Time: 5241.438s (+1.332e-01s), Max Depth: 0.8924146328m, Max Vel: 9.9999999990m/s, Area: 531425.0m², Vol: 56928.9m³

Step 23100/29999, Sim Time: 5254.761s (+1.332e-01s), Max Depth: 0.8920978650m, Max Vel: 9.9999999990m/s, Area: 532375.0m², Vol: 56892.4m³

Step 23200/29999, Sim Time: 5268.080s (+1.332e-01s), Max Depth: 0.8922230632m, Max Vel: 9.9999999990m/s, Area: 532125.0m², Vol: 56888.6m³

Step 23300/29999, Sim Time: 5281.397s (+1.332e-01s), Max Depth: 0.8921167687m, Max Vel: 9.9999999990m/s, Area: 532375.0m², Vol: 56879.3m³

Step 23400/29999, Sim Time: 5294.711s (+1.331e-01s), Max Depth: 0.8918042414m, Max Vel: 9.9999999990m/s, Area: 531275.0m², Vol: 56840.2m³

Step 23500/29999, Sim Time: 5308.021s (+1.331e-01s), Max Depth: 0.8918620297m, Max Vel: 9.9999999990m/s, Area: 534550.0m², Vol: 56818.8m³

Step 23600/29999, Sim Time: 5321.327s (+1.330e-01s), Max Depth: 0.8920010573m, Max Vel: 9.9999999990m/s, Area: 534525.0m², Vol: 56794.7m³

Step 23700/29999, Sim Time: 5334.629s (+1.330e-01s), Max Depth: 0.8910382249m, Max Vel: 9.9999999990m/s, Area: 536175.0m², Vol: 56680.6m³

Step 23800/29999, Sim Time: 5347.927s (+1.330e-01s), Max Depth: 0.8913336248m, Max Vel: 9.9999999990m/s, Area: 535300.0m², Vol: 56636.1m³

Step 23900/29999, Sim Time: 5361.220s (+1.329e-01s), Max Depth: 0.8916521297m, Max Vel: 9.9999999990m/s, Area: 536575.0m², Vol: 56582.3m³

Step 24000/29999, Sim Time: 5374.507s (+1.328e-01s), Max Depth: 0.8904572405m, Max Vel: 9.9999999990m/s, Area: 538450.0m², Vol: 56431.2m³

Step 24100/29999, Sim Time: 5387.788s (+1.328e-01s), Max Depth: 0.8909245492m, Max Vel: 9.9999999990m/s, Area: 537375.0m², Vol: 56397.8m³

Step 24200/29999, Sim Time: 5401.066s (+1.328e-01s), Max Depth: 0.8905213747m, Max Vel: 9.9999999990m/s, Area: 537475.0m², Vol: 56362.8m³

Step 24300/29999, Sim Time: 5414.339s (+1.327e-01s), Max Depth: 0.8906460509m, Max Vel: 9.9999999990m/s, Area: 537650.0m², Vol: 56363.5m³

Step 24400/29999, Sim Time: 5427.608s (+1.327e-01s), Max Depth: 0.8911066365m, Max Vel: 9.9999999990m/s, Area: 538200.0m², Vol: 56379.7m³

Step 24500/29999, Sim Time: 5440.873s (+1.326e-01s), Max Depth: 0.8904638750m, Max Vel: 9.9999999990m/s, Area: 536275.0m², Vol: 56296.9m³

Step 24600/29999, Sim Time: 5454.133s (+1.326e-01s), Max Depth: 0.8905286101m, Max Vel: 9.9999999990m/s, Area: 537525.0m², Vol: 56262.2m³

Step 24700/29999, Sim Time: 5467.388s (+1.325e-01s), Max Depth: 0.8898279026m, Max Vel: 9.9999999990m/s, Area: 539475.0m², Vol: 56210.9m³

Step 24800/29999, Sim Time: 5480.639s (+1.325e-01s), Max Depth: 0.8899897726m, Max Vel: 9.9999999990m/s, Area: 536900.0m², Vol: 56205.7m³

Step 24900/29999, Sim Time: 5493.886s (+1.325e-01s), Max Depth: 0.8893315852m, Max Vel: 9.9999999990m/s, Area: 538775.0m², Vol: 56209.8m³

Step 25000/29999, Sim Time: 5507.132s (+1.324e-01s), Max Depth: 0.8910124249m, Max Vel: 9.9999999990m/s, Area: 538050.0m², Vol: 56398.9m³

Step 25100/29999, Sim Time: 5520.376s (+1.324e-01s), Max Depth: 0.8912922266m, Max Vel: 9.9999999990m/s, Area: 539550.0m², Vol: 56465.2m³

Step 25200/29999, Sim Time: 5533.618s (+1.324e-01s), Max Depth: 0.8901746338m, Max Vel: 9.9999999990m/s, Area: 540300.0m², Vol: 56475.6m³

Step 25300/29999, Sim Time: 5546.857s (+1.324e-01s), Max Depth: 0.8912300062m, Max Vel: 9.9999999990m/s, Area: 537725.0m², Vol: 56520.4m³

Step 25400/29999, Sim Time: 5560.093s (+1.323e-01s), Max Depth: 0.8898142415m, Max Vel: 9.9999999990m/s, Area: 539875.0m², Vol: 56477.2m³

Step 25500/29999, Sim Time: 5573.326s (+1.323e-01s), Max Depth: 0.8912594068m, Max Vel: 9.9999999990m/s, Area: 540100.0m², Vol: 56624.9m³

Step 25600/29999, Sim Time: 5586.558s (+1.323e-01s), Max Depth: 0.8908018904m, Max Vel: 9.9999999990m/s, Area: 542175.0m², Vol: 56687.8m³

Step 25700/29999, Sim Time: 5599.786s (+1.323e-01s), Max Depth: 0.8901863883m, Max Vel: 9.9999999990m/s, Area: 541850.0m², Vol: 56659.3m³

Step 25800/29999, Sim Time: 5613.013s (+1.323e-01s), Max Depth: 0.8897506217m, Max Vel: 9.9999999990m/s, Area: 543950.0m², Vol: 56801.3m³

Step 25900/29999, Sim Time: 5626.239s (+1.322e-01s), Max Depth: 0.8888972037m, Max Vel: 9.9999999990m/s, Area: 542600.0m², Vol: 56736.7m³

Step 26000/29999, Sim Time: 5639.459s (+1.322e-01s), Max Depth: 0.8914593094m, Max Vel: 9.9999999990m/s, Area: 542675.0m², Vol: 56795.9m³

Step 26100/29999, Sim Time: 5652.674s (+1.321e-01s), Max Depth: 0.8906216502m, Max Vel: 9.9999999990m/s, Area: 542150.0m², Vol: 56796.8m³

Step 26200/29999, Sim Time: 5665.889s (+1.321e-01s), Max Depth: 0.8898470654m, Max Vel: 9.9999999990m/s, Area: 541800.0m², Vol: 56856.4m³

Step 26300/29999, Sim Time: 5679.100s (+1.321e-01s), Max Depth: 0.8900227659m, Max Vel: 9.9999999990m/s, Area: 542175.0m², Vol: 56750.8m³

Step 26400/29999, Sim Time: 5692.302s (+1.320e-01s), Max Depth: 0.8899903611m, Max Vel: 9.9999999990m/s, Area: 544775.0m², Vol: 56555.6m³

Step 26500/29999, Sim Time: 5705.500s (+1.320e-01s), Max Depth: 0.8906005814m, Max Vel: 9.9999999990m/s, Area: 544675.0m², Vol: 56671.1m³

Step 26600/29999, Sim Time: 5718.696s (+1.319e-01s), Max Depth: 0.8904975891m, Max Vel: 9.9999999990m/s, Area: 545250.0m², Vol: 56701.8m³

Step 26700/29999, Sim Time: 5731.888s (+1.319e-01s), Max Depth: 0.8906938805m, Max Vel: 9.9999999990m/s, Area: 543850.0m², Vol: 56584.4m³

Step 26800/29999, Sim Time: 5745.072s (+1.318e-01s), Max Depth: 0.8888055928m, Max Vel: 9.9999999990m/s, Area: 544650.0m², Vol: 56346.8m³

Step 26900/29999, Sim Time: 5758.250s (+1.317e-01s), Max Depth: 0.8891045872m, Max Vel: 9.9999999990m/s, Area: 544225.0m², Vol: 56239.4m³

Step 27000/29999, Sim Time: 5771.421s (+1.317e-01s), Max Depth: 0.8909706655m, Max Vel: 9.9999999990m/s, Area: 544600.0m², Vol: 56291.6m³

Step 27100/29999, Sim Time: 5784.587s (+1.316e-01s), Max Depth: 0.8903058535m, Max Vel: 9.9999999990m/s, Area: 546325.0m², Vol: 56124.1m³

Step 27200/29999, Sim Time: 5797.745s (+1.315e-01s), Max Depth: 0.8891816216m, Max Vel: 9.9999999990m/s, Area: 545000.0m², Vol: 55926.8m³

Step 27300/29999, Sim Time: 5810.896s (+1.315e-01s), Max Depth: 0.8911154367m, Max Vel: 9.9999999990m/s, Area: 545750.0m², Vol: 55936.6m³

Step 27400/29999, Sim Time: 5824.042s (+1.314e-01s), Max Depth: 0.8899623313m, Max Vel: 9.9999999990m/s, Area: 546675.0m², Vol: 55834.9m³

Step 27500/29999, Sim Time: 5837.184s (+1.314e-01s), Max Depth: 0.8913761862m, Max Vel: 9.9999999990m/s, Area: 545125.0m², Vol: 55919.7m³

Step 27600/29999, Sim Time: 5850.321s (+1.313e-01s), Max Depth: 0.8909066529m, Max Vel: 9.9999999990m/s, Area: 546250.0m², Vol: 55823.0m³

Step 27700/29999, Sim Time: 5863.454s (+1.313e-01s), Max Depth: 0.8912502253m, Max Vel: 9.9999999990m/s, Area: 547125.0m², Vol: 55810.9m³

Step 27800/29999, Sim Time: 5876.584s (+1.313e-01s), Max Depth: 0.8911633417m, Max Vel: 9.9999999990m/s, Area: 546900.0m², Vol: 55881.9m³

Step 27900/29999, Sim Time: 5889.713s (+1.313e-01s), Max Depth: 0.8899350744m, Max Vel: 9.9999999990m/s, Area: 546850.0m², Vol: 55903.9m³

Step 28000/29999, Sim Time: 5902.842s (+1.313e-01s), Max Depth: 0.8904735717m, Max Vel: 9.9999999990m/s, Area: 547000.0m², Vol: 56012.8m³

Step 28100/29999, Sim Time: 5915.970s (+1.313e-01s), Max Depth: 0.8890954886m, Max Vel: 9.9999999990m/s, Area: 549025.0m², Vol: 56055.4m³

Step 28200/29999, Sim Time: 5929.100s (+1.313e-01s), Max Depth: 0.8903380788m, Max Vel: 9.9999999990m/s, Area: 548125.0m², Vol: 56228.4m³

Step 28300/29999, Sim Time: 5942.228s (+1.313e-01s), Max Depth: 0.8886615750m, Max Vel: 9.9999999990m/s, Area: 550225.0m², Vol: 56151.3m³

Step 28400/29999, Sim Time: 5955.355s (+1.313e-01s), Max Depth: 0.8914222166m, Max Vel: 9.9999999990m/s, Area: 549525.0m², Vol: 56391.4m³

Step 28500/29999, Sim Time: 5968.482s (+1.313e-01s), Max Depth: 0.8905688267m, Max Vel: 9.9999999990m/s, Area: 549725.0m², Vol: 56411.9m³

Step 28600/29999, Sim Time: 5981.608s (+1.313e-01s), Max Depth: 0.8913884609m, Max Vel: 9.9999999990m/s, Area: 548625.0m², Vol: 56518.6m³

Step 28700/29999, Sim Time: 5994.734s (+1.313e-01s), Max Depth: 0.8900528905m, Max Vel: 9.9999999990m/s, Area: 549525.0m², Vol: 56527.2m³

Step 28800/29999, Sim Time: 6007.861s (+1.313e-01s), Max Depth: 0.8911437269m, Max Vel: 9.9999999990m/s, Area: 549550.0m², Vol: 56665.9m³

Step 28900/29999, Sim Time: 6020.986s (+1.313e-01s), Max Depth: 0.8908045478m, Max Vel: 9.9999999990m/s, Area: 551600.0m², Vol: 56687.5m³

Step 29000/29999, Sim Time: 6034.111s (+1.313e-01s), Max Depth: 0.8900056658m, Max Vel: 9.9999999990m/s, Area: 552650.0m², Vol: 56722.4m³

Step 29100/29999, Sim Time: 6047.236s (+1.312e-01s), Max Depth: 0.8890490620m, Max Vel: 9.9999999990m/s, Area: 553275.0m², Vol: 56696.4m³

Step 29200/29999, Sim Time: 6060.360s (+1.312e-01s), Max Depth: 0.8913492466m, Max Vel: 9.9999999990m/s, Area: 549950.0m², Vol: 56896.1m³

Step 29300/29999, Sim Time: 6073.483s (+1.312e-01s), Max Depth: 0.8895848361m, Max Vel: 9.9999999990m/s, Area: 550525.0m², Vol: 56852.8m³

Step 29400/29999, Sim Time: 6086.607s (+1.312e-01s), Max Depth: 0.8904677742m, Max Vel: 9.9999999990m/s, Area: 551075.0m², Vol: 56974.1m³

Step 29500/29999, Sim Time: 6099.731s (+1.312e-01s), Max Depth: 0.8895622691m, Max Vel: 9.9999999990m/s, Area: 552550.0m², Vol: 56968.1m³

Step 29600/29999, Sim Time: 6112.853s (+1.312e-01s), Max Depth: 0.8898989021m, Max Vel: 9.9999999990m/s, Area: 552425.0m², Vol: 57012.8m³

Step 29700/29999, Sim Time: 6125.975s (+1.312e-01s), Max Depth: 0.8914597558m, Max Vel: 9.9999999990m/s, Area: 552625.0m², Vol: 57147.4m³

Step 29800/29999, Sim Time: 6139.096s (+1.312e-01s), Max Depth: 0.8911712916m, Max Vel: 9.9999999990m/s, Area: 551950.0m², Vol: 57199.9m³

Step 29900/29999, Sim Time: 6152.217s (+1.312e-01s), Max Depth: 0.8909064411m, Max Vel: 9.9999999990m/s, Area: 552900.0m², Vol: 57213.4m³

Step 29999/29999, Sim Time: 6165.206s (+1.312e-01s), Max Depth: 0.8899917837m, Max Vel: 9.9999999990m/s, Area: 553325.0m², Vol: 57175.6m³

Simulation finished 30000 steps in 257.07 seconds (wall clock).

Final Maximum Flood Extent Area: 990150.00 m²

Peak Recorded Water Depth Anywhere: 1.407 m

Phase 2 max depth: 0.889 m, steady state max depth: 0.734 m, rate of increase: 0.000025 m/s

--- Visualizing Combined River (P1) + WSE Contour Breach (P2) Results ---

Using DEM contour thresholds for WSE viz: [np.float64(19.998315827761544), np.float64(20.565404887957524), np.float64(21.1324939481535), np.float64(21.699583008349478), np.float64(22.266672068545454), np.float64(22.833761128741433), np.float64(23.400850188937408), np.float64(23.967939249133387), np.float64(24.535028309329363), np.float64(25.10211736952534)]

Saving animation to result\_source1\_5\_rain11\_875.mp4 (using ffmpeg)...

Animation saved.

Final frame saved to result\_source1\_5\_rain11\_875\_final\_frame.png

Visualization finished.

--- Two-Phase River + WSE Contour Breach Test Finished ---