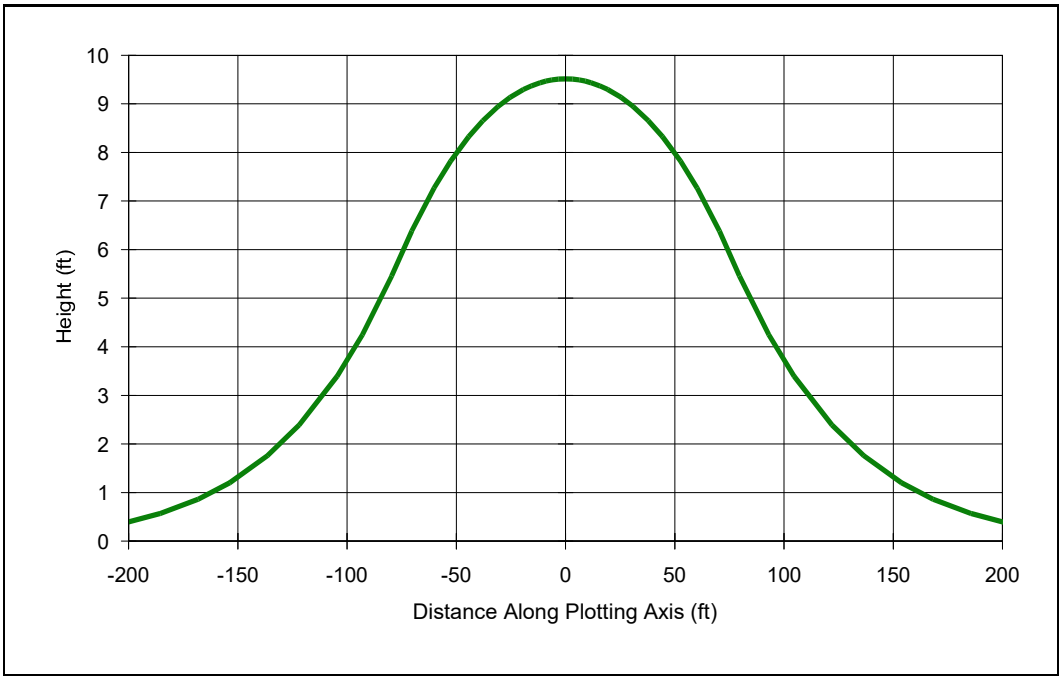
Groundwater Mounding Analysis (Hantush's Method using Glover's Solution)



COMPANY: GeoHydroCycle Inc.

PROJECT: Example Analysis

ANALYST: SWS

DATE: 10/31/2022 TIME: 2:56:27 PM

INPUT PARAMETERS

Application rate: 4.82 c.ft/day/sq. ft
Duration of application: 1 days
Fillable porosity: 0.3
Hydraulic conductivity: 100 ft/day
Initial saturated thickness: 14.05 ft
Length of application area: 150 ft
Width of application area: 150 ft
No constant head boundary used
Plotting axis from Y-Axis: 170 degrees
Edge of recharge area:
positive X: 75 ft
positive Y: -425.3 ft
Total volume applied: 108450 c.ft

MODEL RESULTS

X (ft)	Y (ft)	Plot Axis (ft)	Mound Height (ft)
-34.7	197	-200	0.4
-29.2	165.6	-168	0.86
-23.7	134.3	-136	1.76
-18.2	103	-105	3.39
-13.8	78.4	-80	5.46
-10.5	59.3	-60	7.27
-7.7	43.7	-44	8.32
-5.4	30.5	-31	8.94
-3.4	19.1	-19	9.29
-2	11.4	-12	9.44
-1.1	6.2	-6	9.49
0	0	0	9.51
1.1	-6.2	6	9.49
2	-11.4	12	9.44
3.4	-19.1	19	9.29
5.4	-30.5	31	8.94
7.7	-43.7	44	8.32
10.5	-59.3	60	7.27
13.8	-78.4	80	5.46
18.2	-103	105	3.39
23.7	-134.3	136	1.76
29.2	-165.6	168	0.86
34.7	-197	200	0.4