

Figure 1. This conceptual diagram shows a 25x25 gridded cell box with two constant head boundaries on the left and right sides. The box is 2500m x 2500m x 10m. Each cell is 100 meters in the x and y direction and 10 meters in the z direction. The time units are days. The length units are meters.

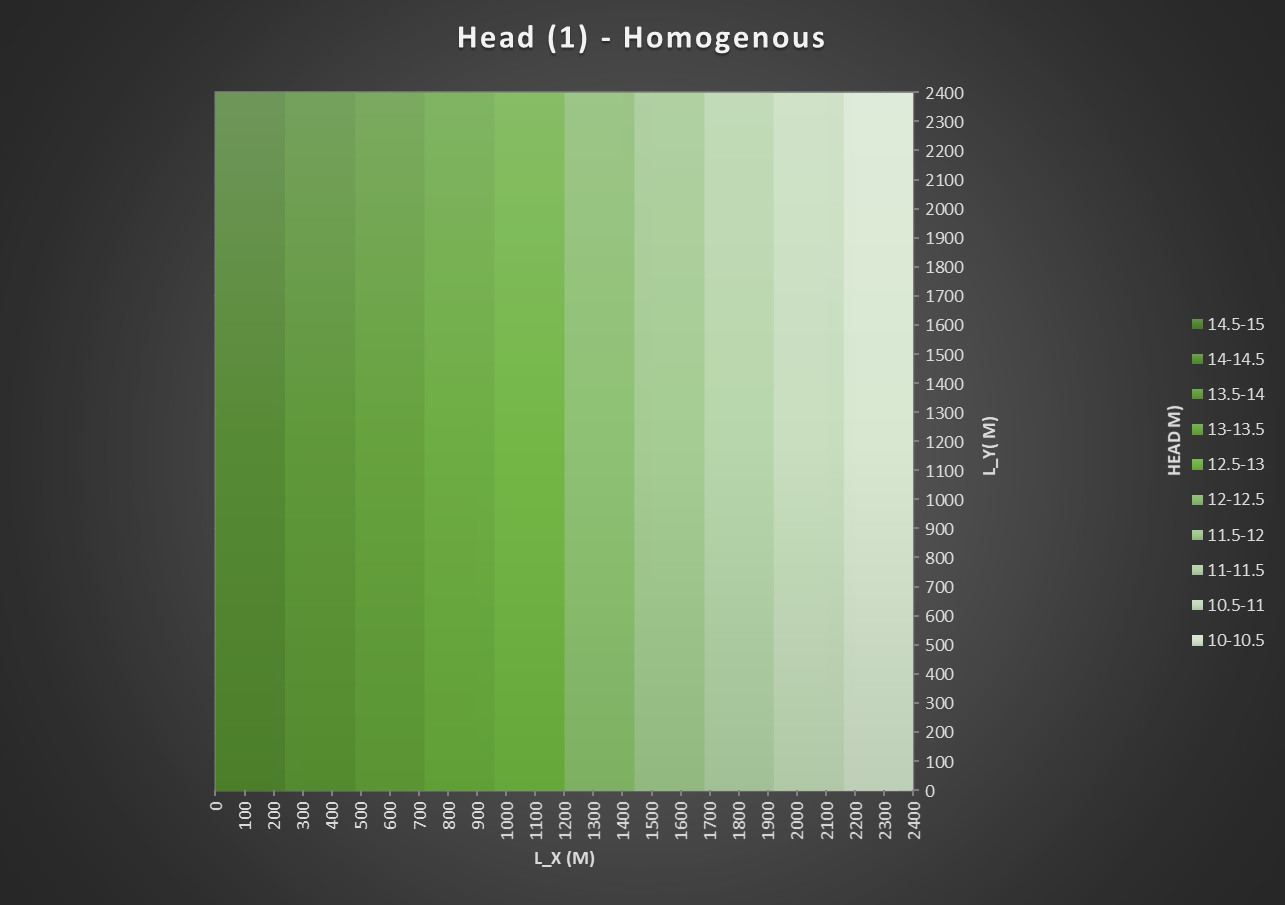


Figure 2. Head Distribution of Homogenous box with a K = 1 m/d

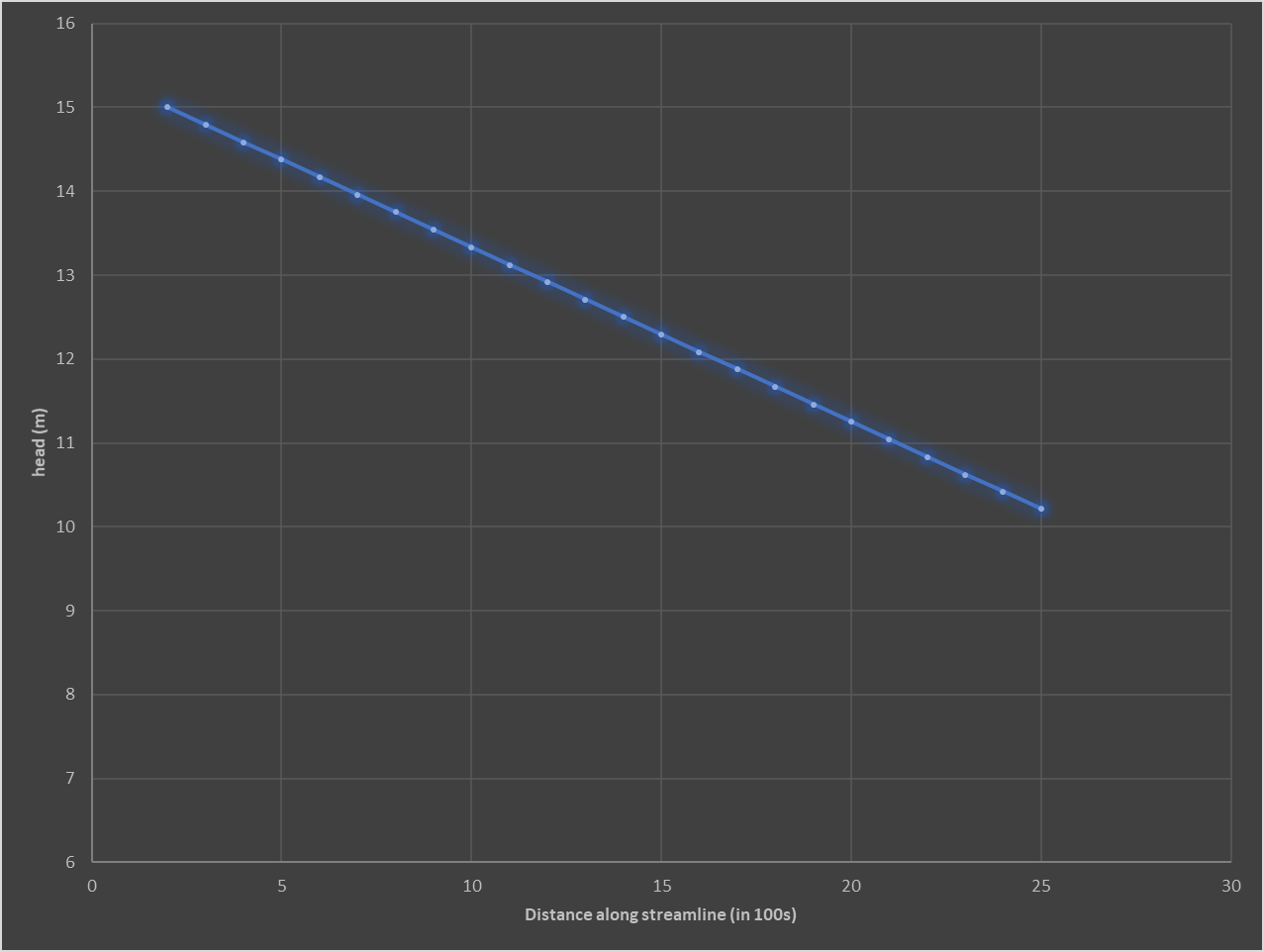


Figure 2.1 Cross Section of Hydraulic Head of Homogenous box

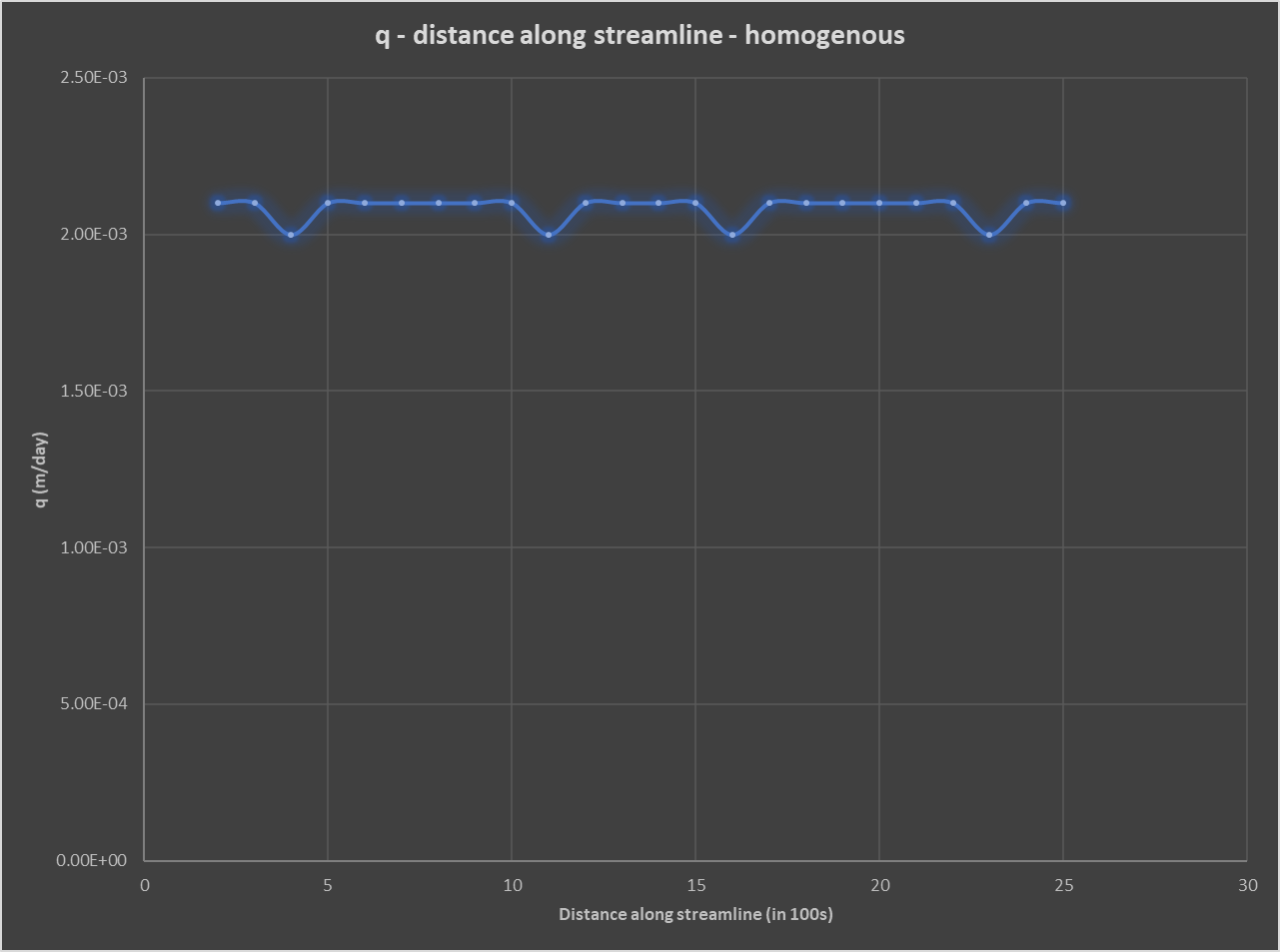


Figure 2.2 Cross Section of Flux in Homogenous box

A screenshot of a computer

Description automatically generated with medium confidence

Figure 3 Heterogeneous box with two columns (at 11 and 12) of high K (10 m/d)

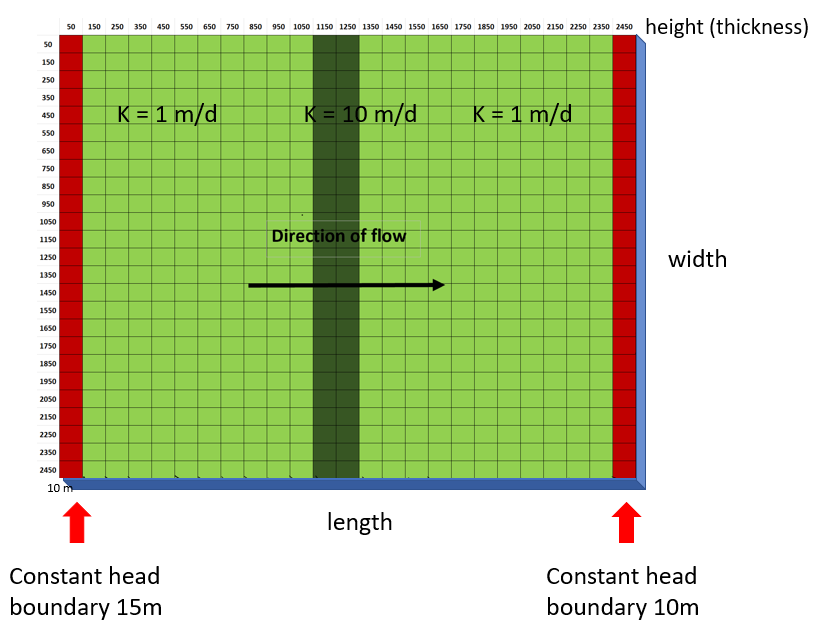
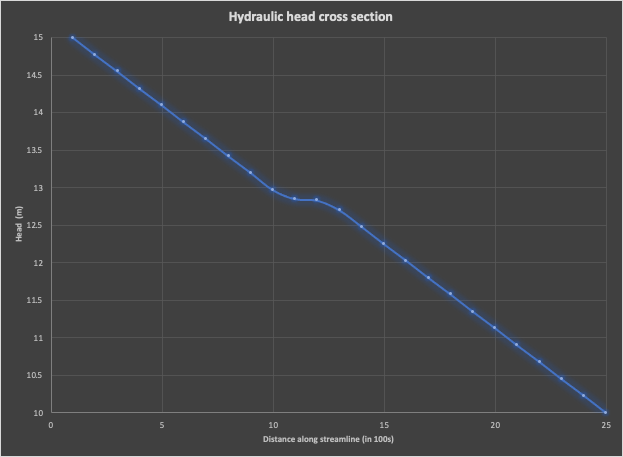


Figure 3.1 Conceptual diagram of Heterogeneous box with two columns (at 11 and 12) of high K (10 m/d)



Unconfined aquifer

Figure 3.2. Cross Section of Hydraulic Head of Heterogeneous box with two columns (at 11 and 12) of high K (10 m/d)

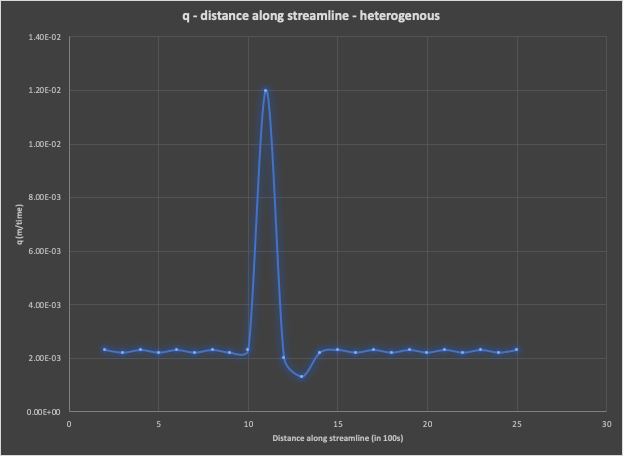


Figure 3.3. Cross Section of flux of Heterogeneous box with two columns (at 11 and 12) of high K (10 m/d)

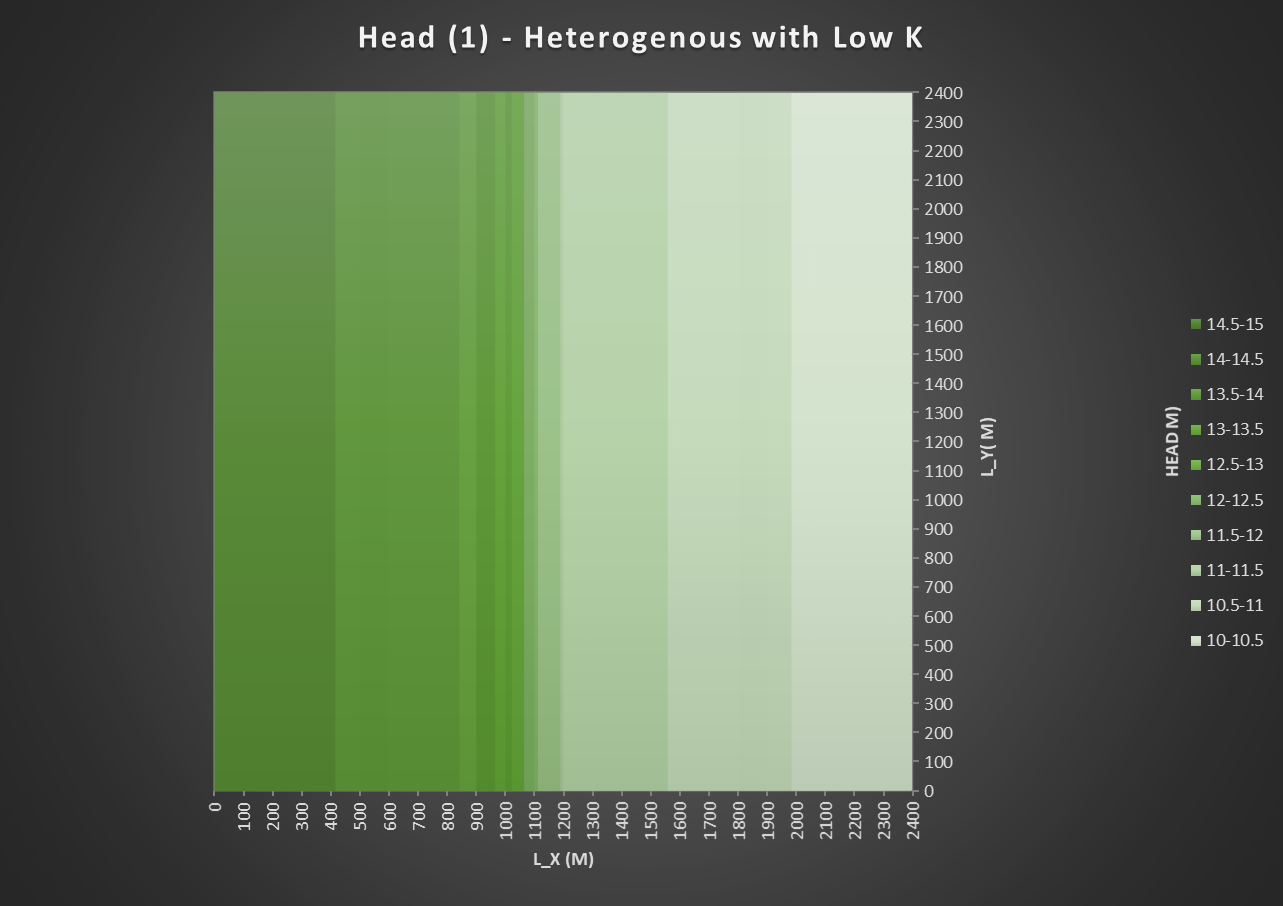


Figure 4. Heterogeneous gridded box with two columns (at 11 and 12) of low K (0.1 m/d). There is some resolution error with the plot.

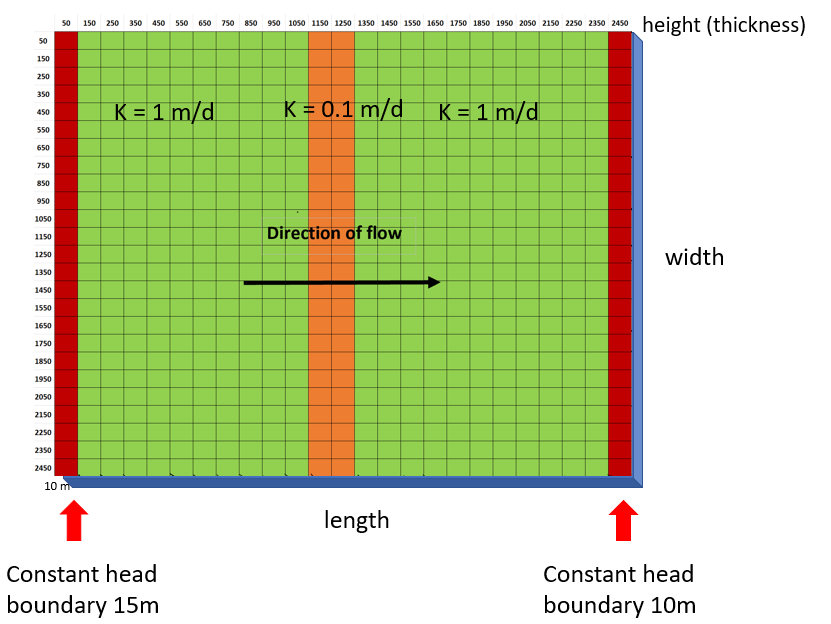


Figure 4.1 Conceptual Diagram of heterogeneous box with low K (0.1 m/d)

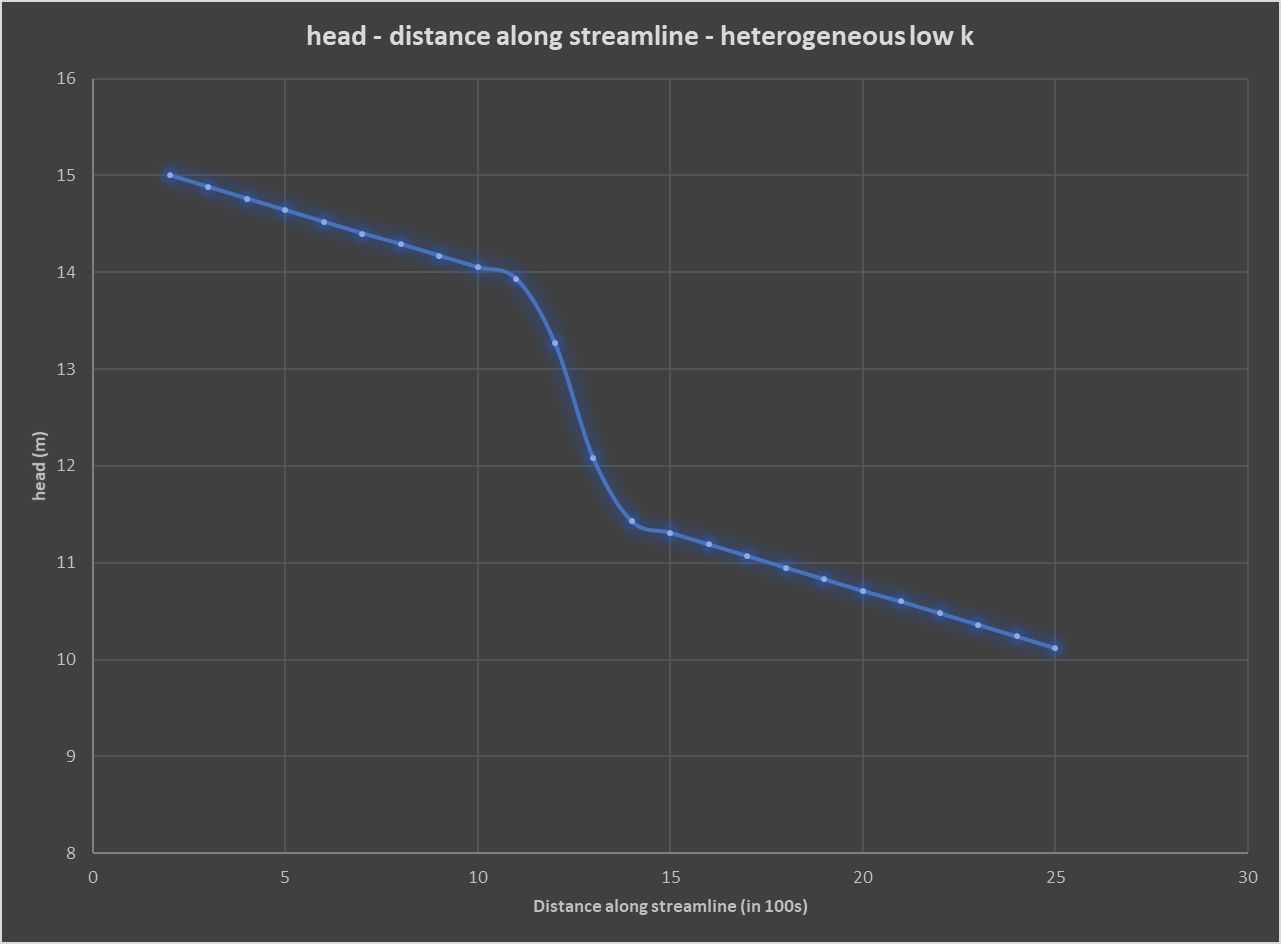


Figure 4.2 Cross Section of Hydraulic Head of Heterogeneous box with two columns (at 11 and 12) of low K (0.1 m/d)

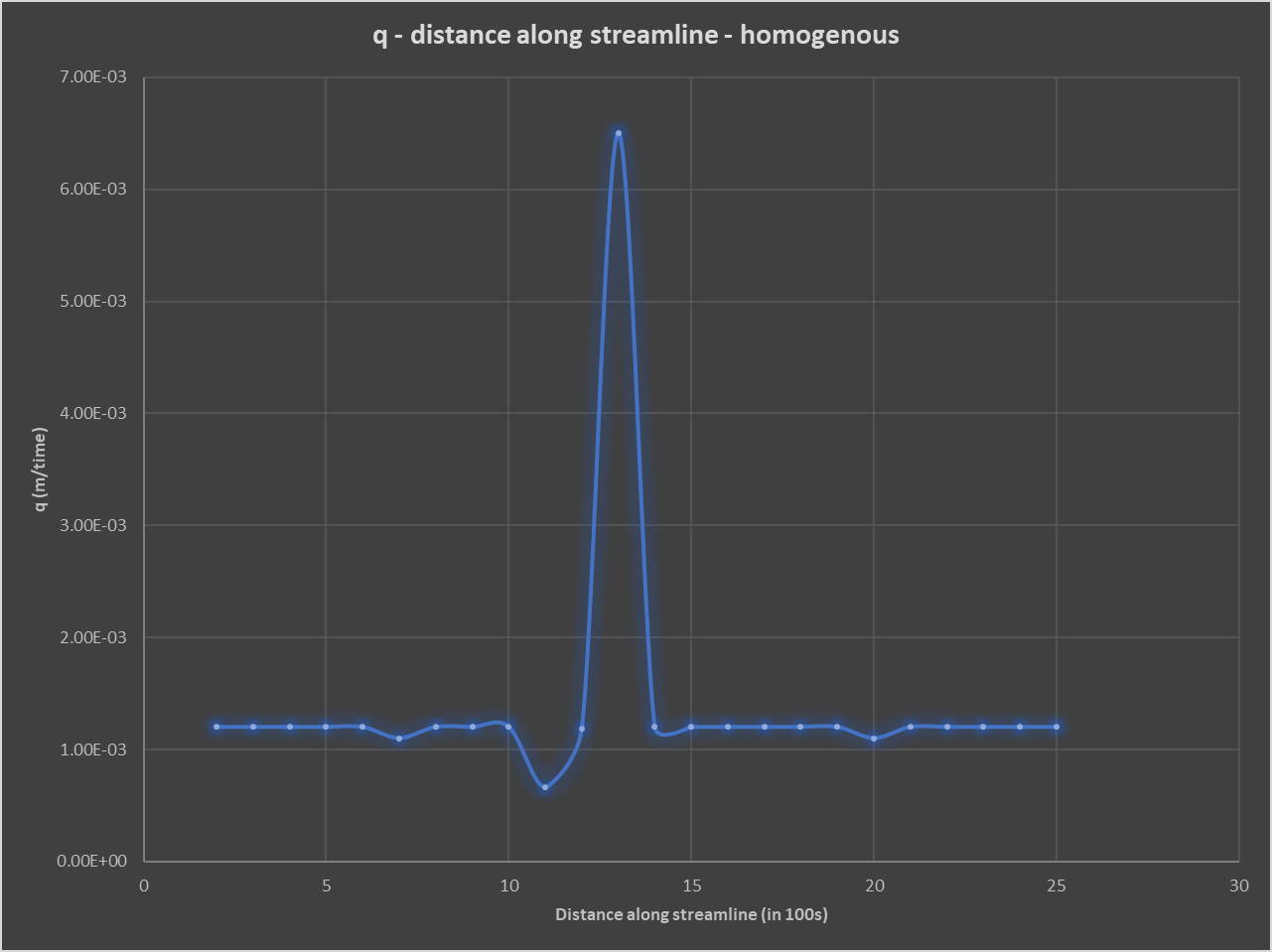


Figure 4.3 Cross Section of flux of Heterogeneous box with two columns (at 11 and 12) of low K (0.1 m/d)

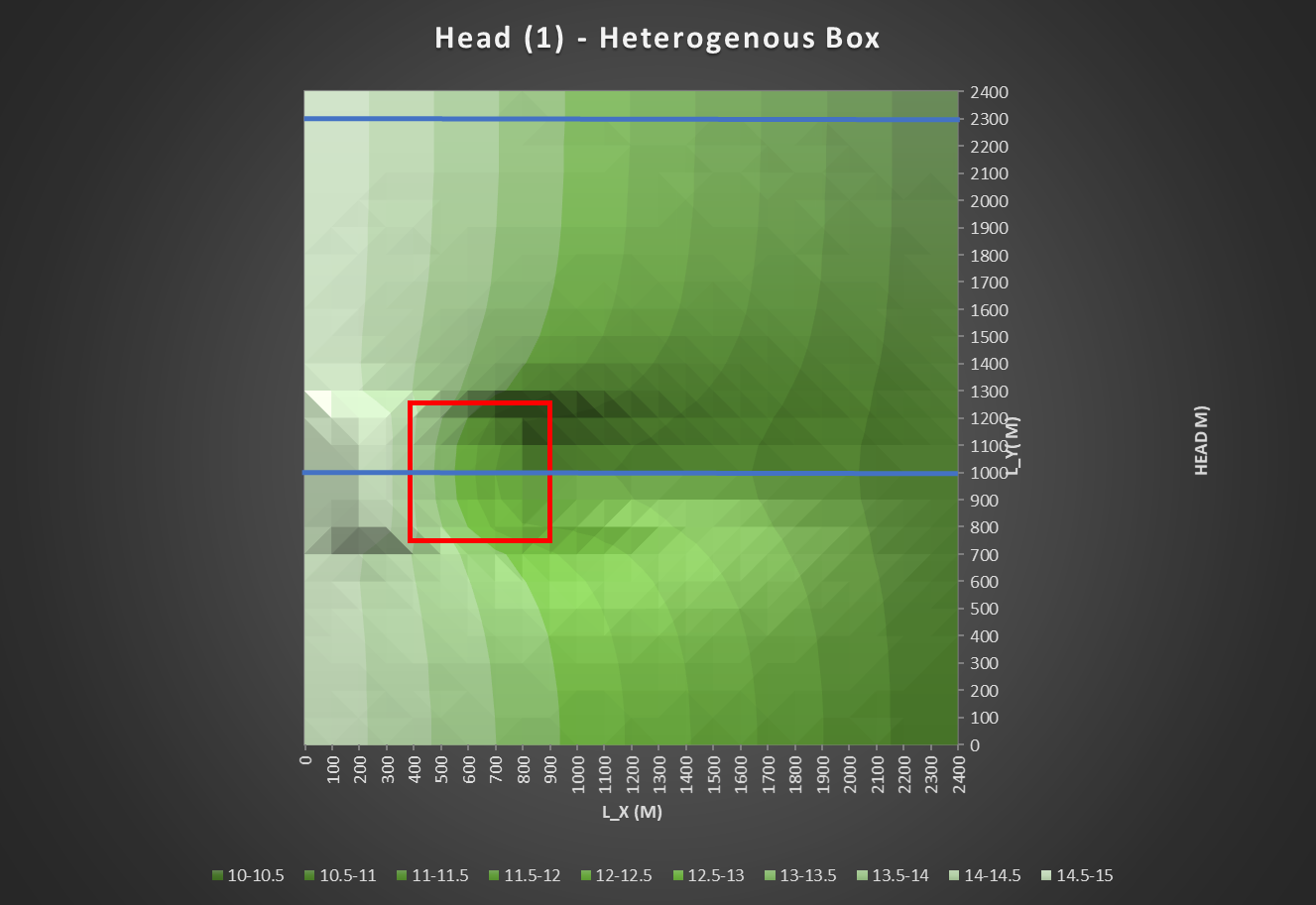


Figure 5. Heterogeneous box (5x5) with low K (0.5 m/d) at columns 4-8 and rows 7-12. Box shown in red, profile locations shown as blue lines

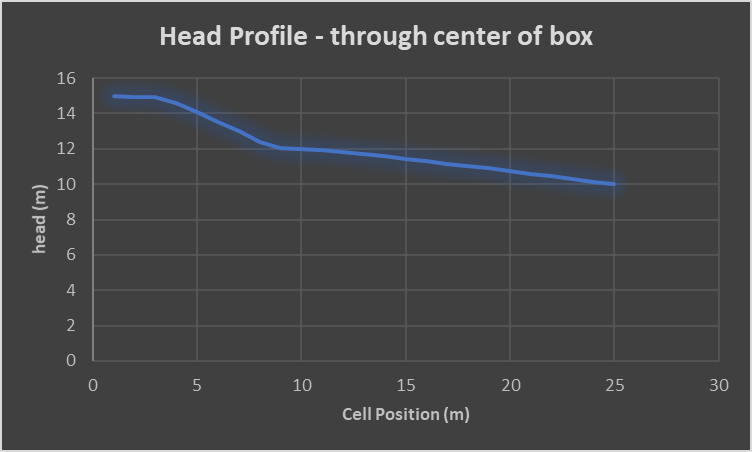


Figure 5.1 Head plot taken at cell 13, center of box

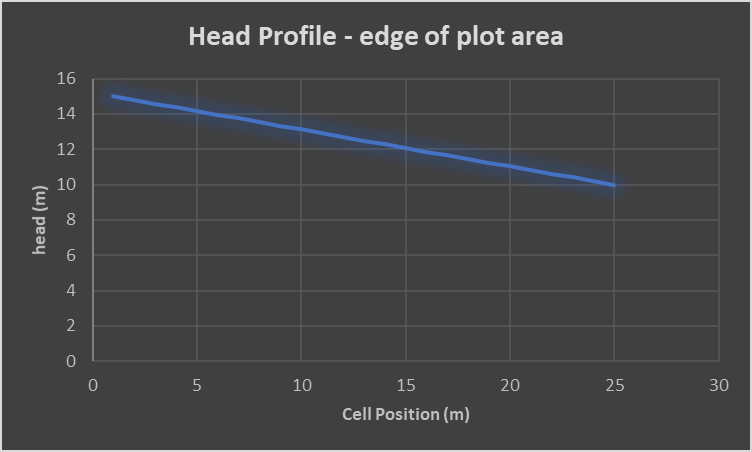


Figure 5.2 Head profile taken at cell 24

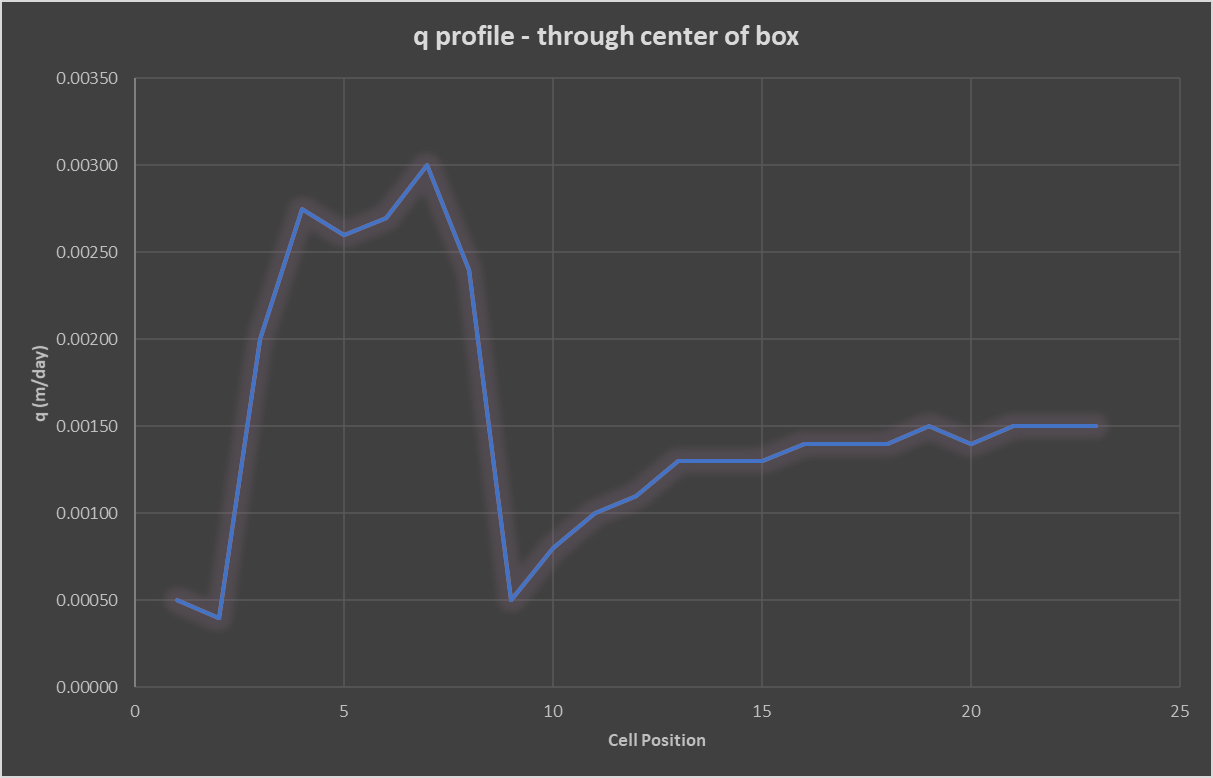


Figure 5.3 Q profile taken at cell 13, center of box

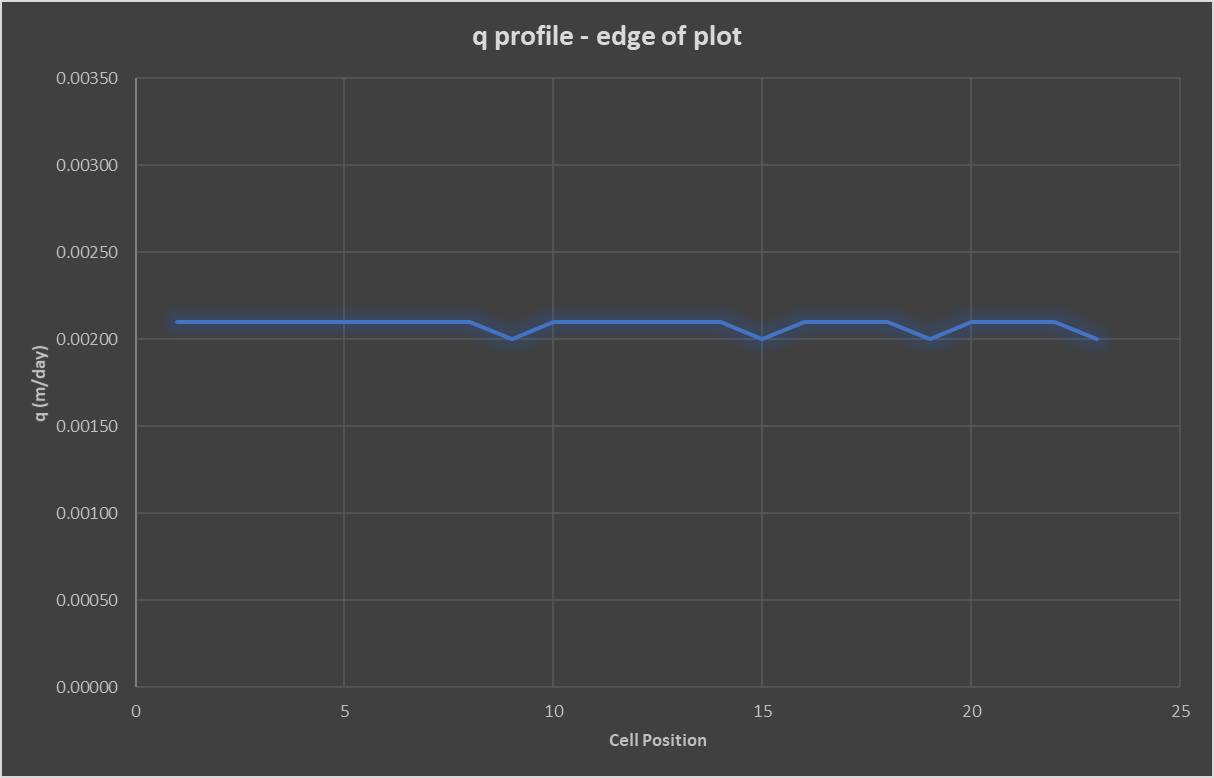


Figure 5.4 Q profile taken at cell 24