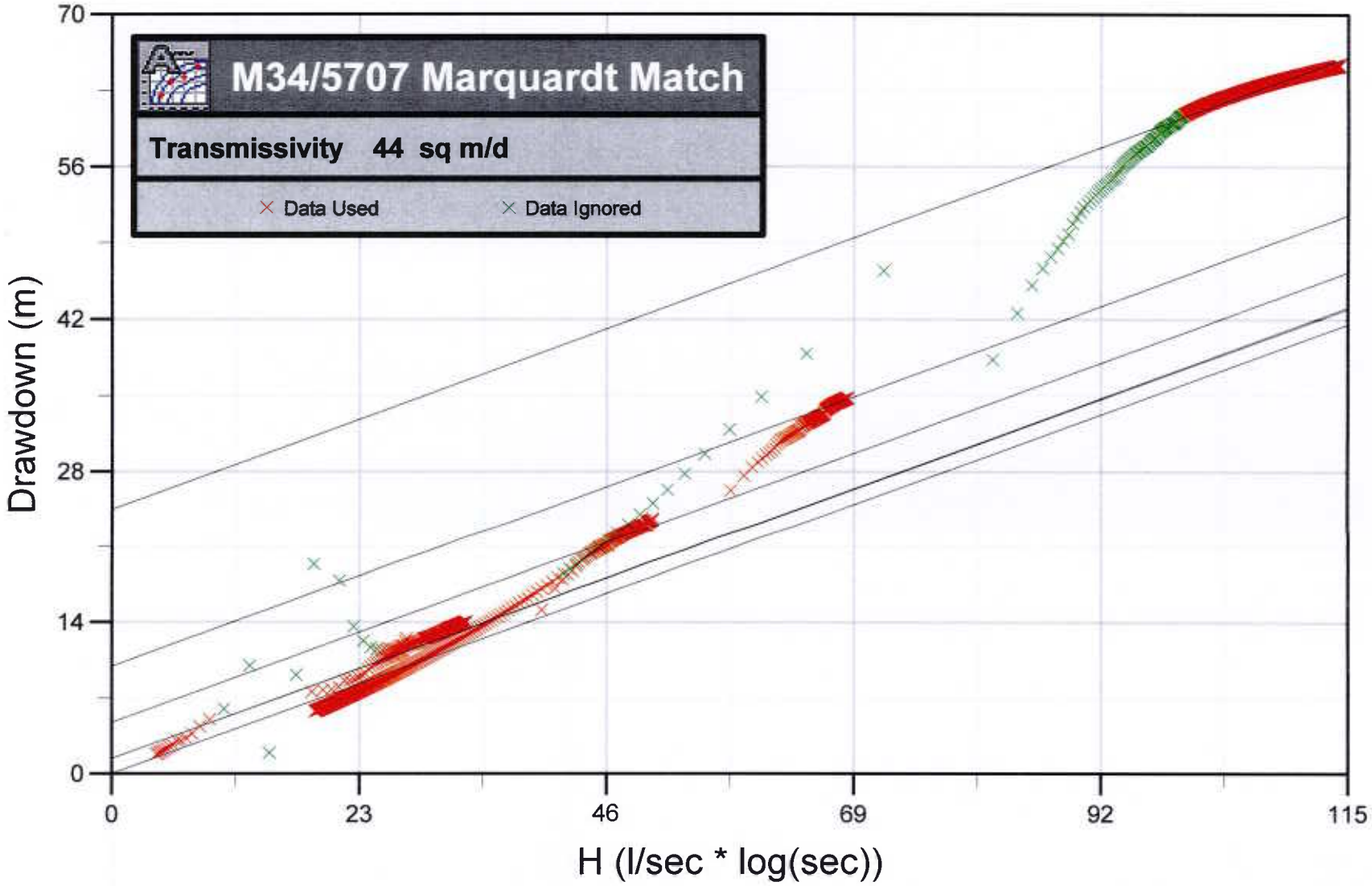
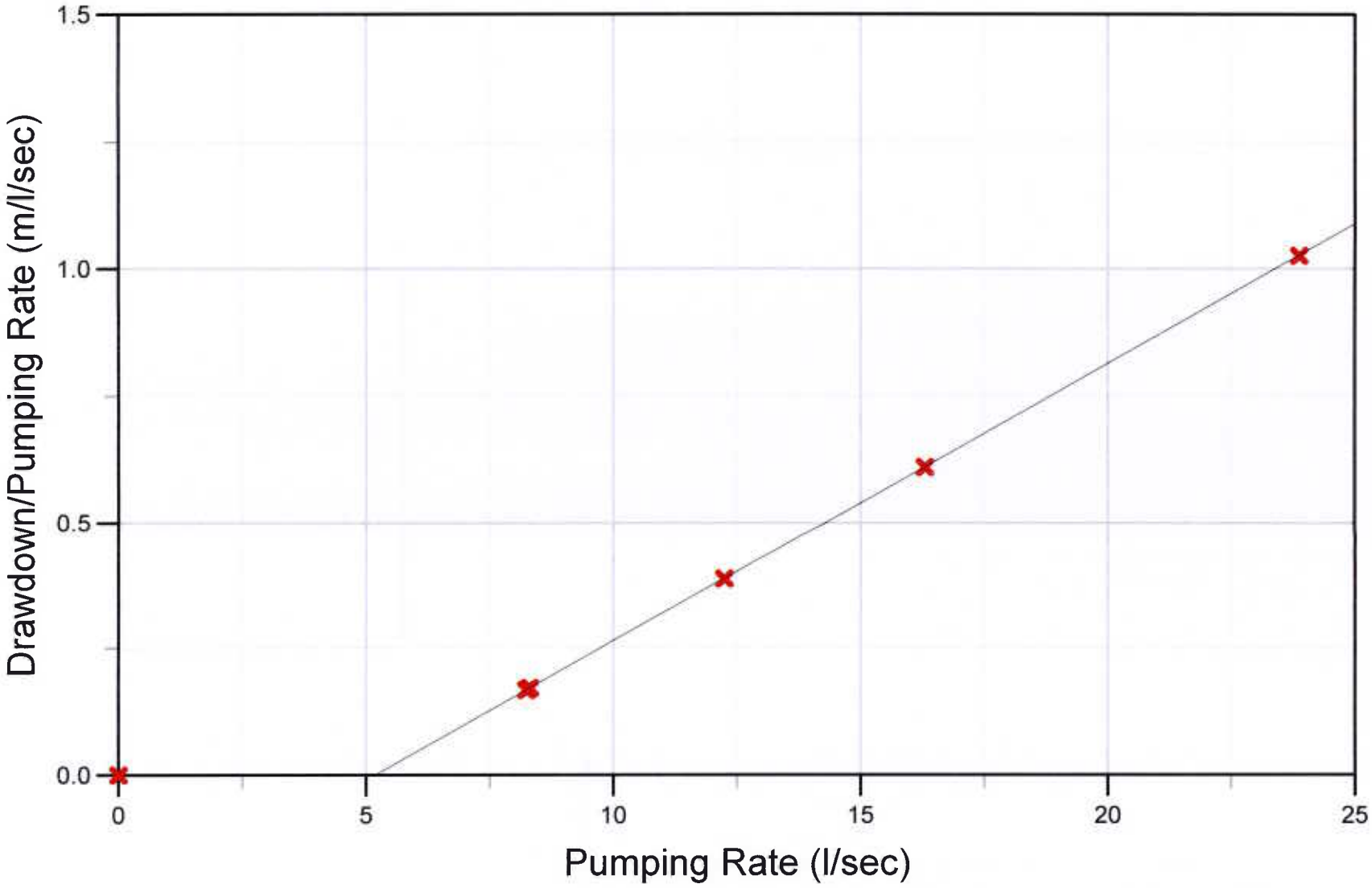
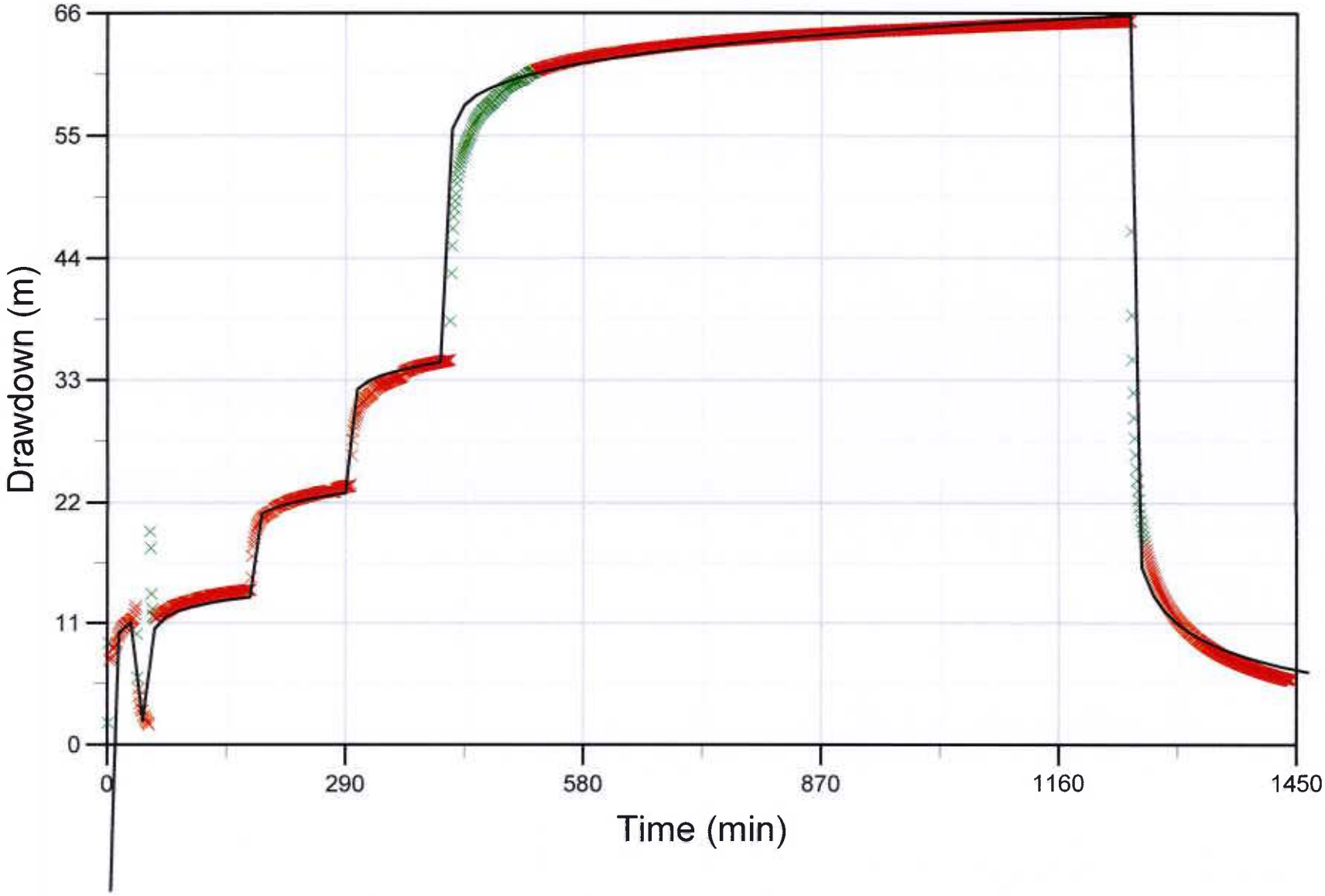
Eden and Hazel - Step 1



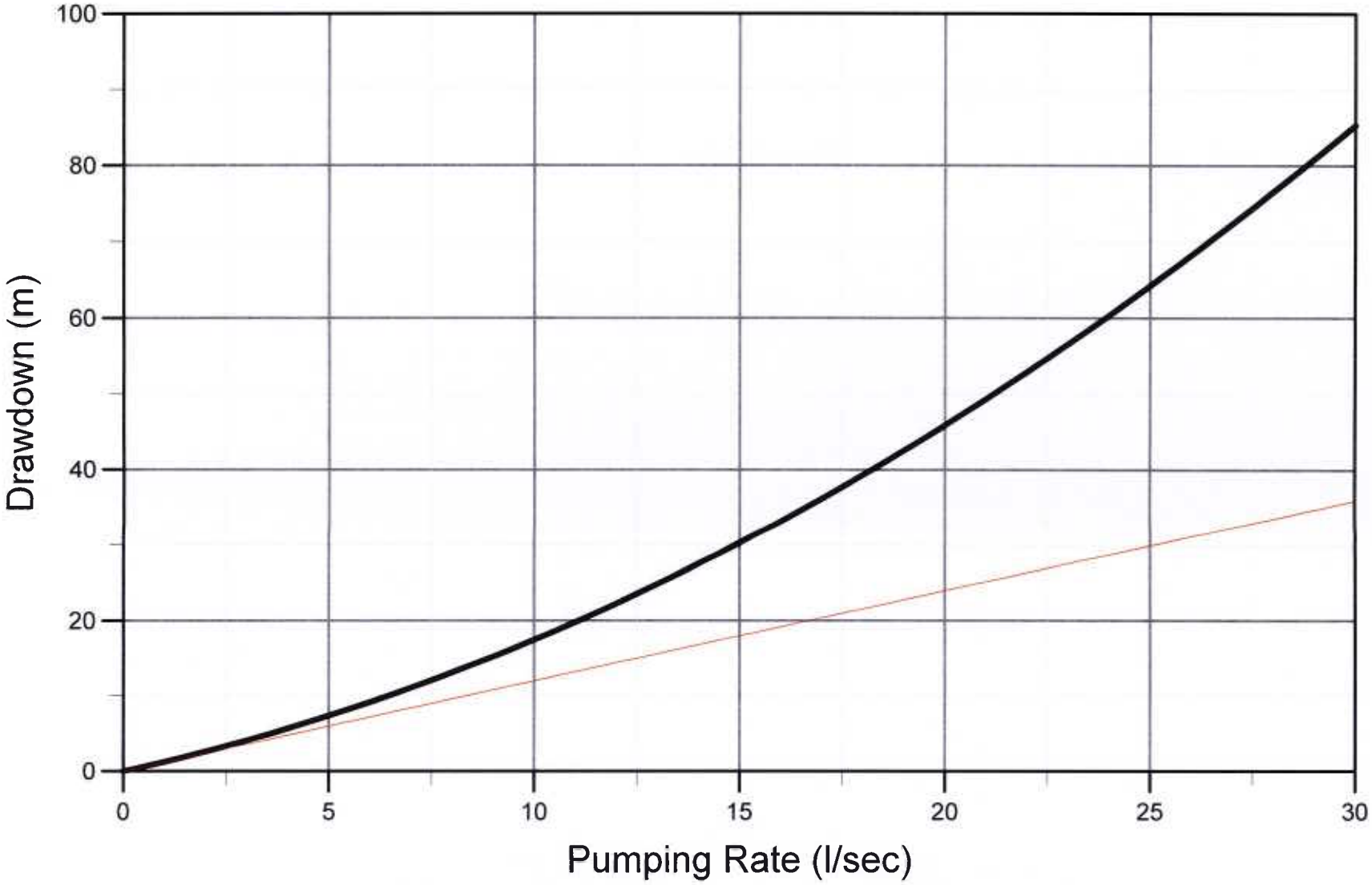
Eden and Hazel - Step 2

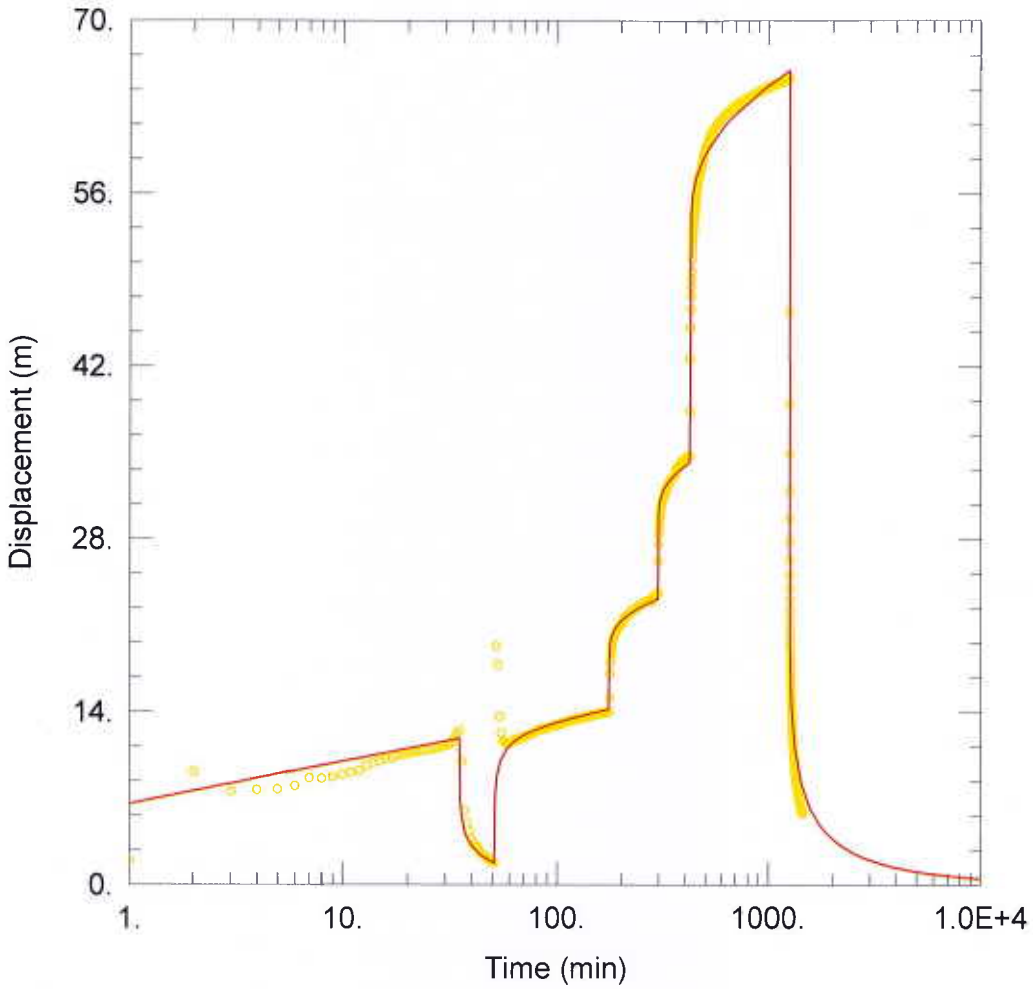


Predicted Well Response



Yield/Drawdown





HDC BORE M34/5707

Data Set: Z:\...\Aqtesolv Step M34-5707.aqt
Date: 08/15/16 Time: 11:42:02

PROJECT INFORMATION

Company: Bowden Environmental
Client: Hurunui District Council
Location: Waipara
Test Well: M34/5707
Test Date: July 2016

AQUIFER DATA

Saturated Thickness: 150. m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (m)	Y (m)
M34/5707	0	0

Observation Wells

Well Name	X (m)	Y (m)
M34/5707	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Step Test)

T = 38.01 m^2/day
Sw = 0.
P = 2.833

S = 0.001424
C = 7.222 min^2/m^5

Step Test Model: Jacob-Rorabaugh

$s(t) = 11.28Q + 7.222Q^{2.833}$