APPENDIX O

Appendix O - Radium Concentrations Over Time
Troutman Sanders Plant Kraft
Port Wentworth, Georgia

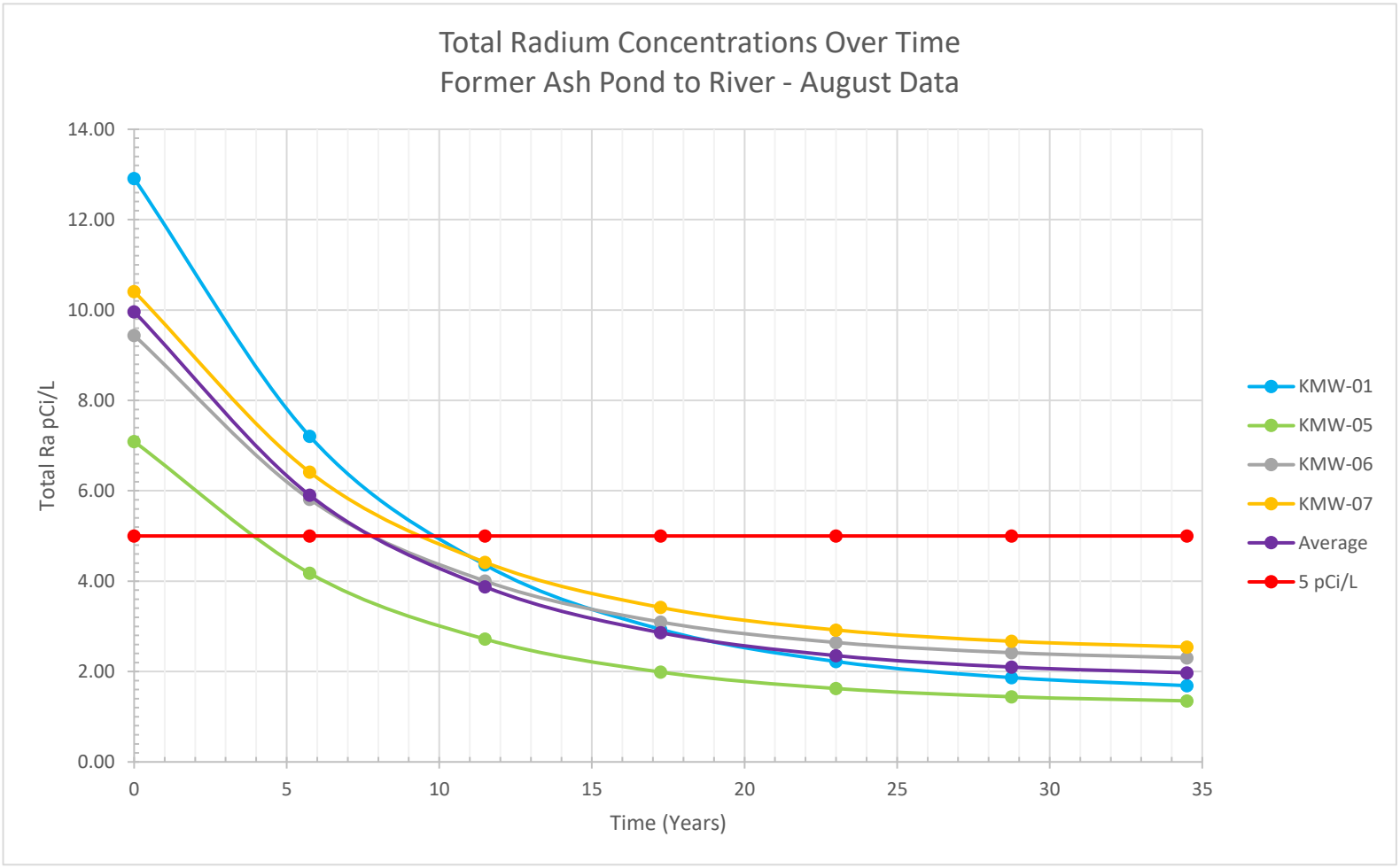


Table O

Hydraulic Conductivity Based on Slug Test Analysis

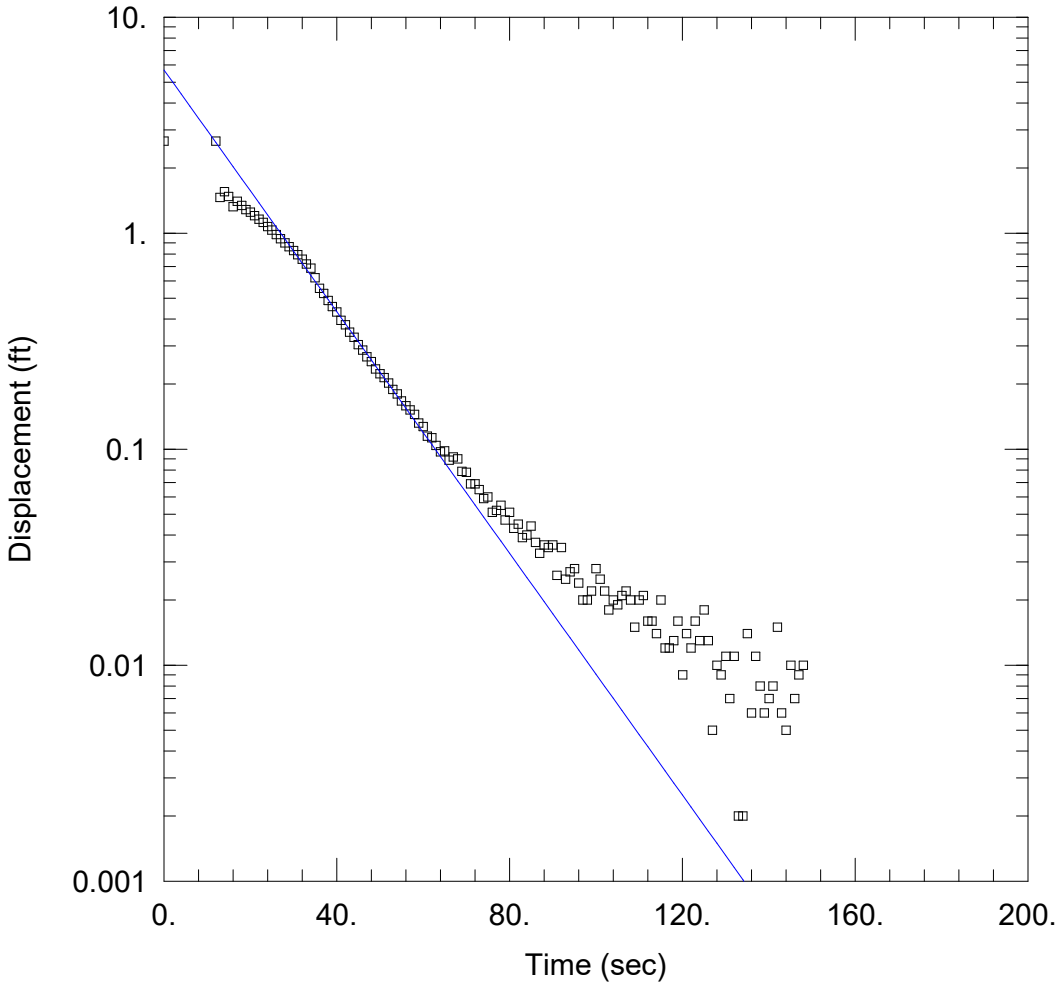
Georgia Power Plant Kraft

Port Wentworth, Georgia

Well ID	Slug In K (ft/day)	Slug Out K (ft/day)	Average K (ft/day)	Average K (cm/S)
KMW-06	27.52	19.79	23.7	8.34E-03

Notes:

Calculated Using Hvorslev Method from Slug Test Data



WELL TEST ANALYSIS

Data Set: C:\Users\Brian Steele\Desktop\AQTESOLVE\KMW-06.aqt
Date: 06/13/18 Time: 16:34:21

PROJECT INFORMATION

Company: Resolute
Client: Georgia Power Company
Location: Port Wentworth GA
Test Well: KMW-06
Test Date: 5/17/2018

AQUIFER DATA

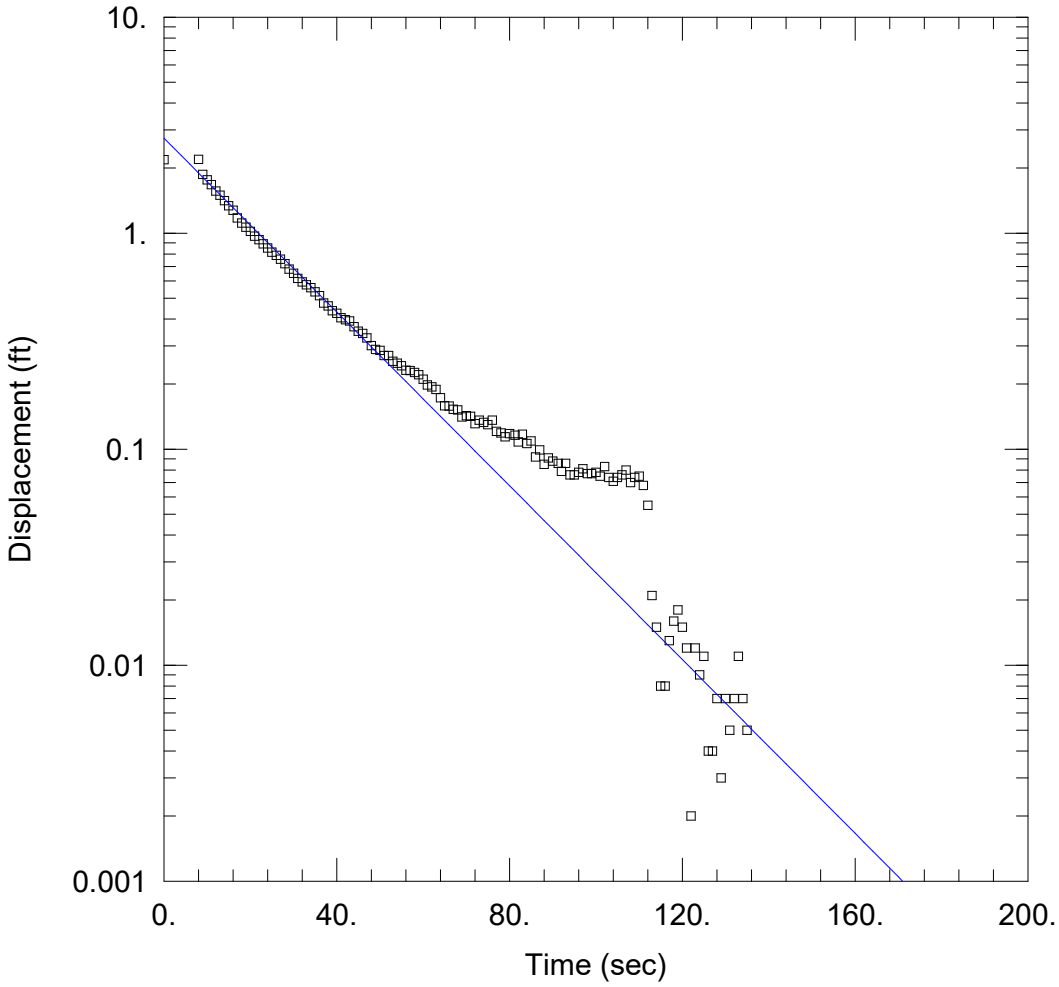
Saturated Thickness: 12.7 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (KMW-06)

Initial Displacement: 2.67 ft
Total Well Penetration Depth: 11.21 ft
Casing Radius: 0.16 ft
Static Water Column Height: 11.21 ft
Screen Length: 10. ft
Well Radius: 0.16 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 27.52 ft/day
y0 = 5.693 ft



WELL TEST ANALYSIS

Data Set: C:\Users\Brian Steele\Desktop\AQTESOLVE\KMW-06 Out.aqt
Date: 06/13/18 Time: 16:33:18

PROJECT INFORMATION

Company: Resolute
Client: Georgia Power Company
Location: Port Wentworth GA
Test Well: KMW-06
Test Date: 5/17/2018

AQUIFER DATA

Saturated Thickness: 12.7 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (KMW-06)

Initial Displacement: 2.19 ft
Total Well Penetration Depth: 11.21 ft
Casing Radius: 0.16 ft
Static Water Column Height: 11.21 ft
Screen Length: 10. ft
Well Radius: 0.16 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 19.79 ft/day
y0 = 2.749 ft