

Data Set: Z:\GW Data Steward Working Area\Kissimmee River Groundwater Effort\KRR Pool C Slug Test Data\KR

Date: 06/02/16

Time: 12:06:41

PROJECT INFORMATION

Company: SFWMD

Test Date: 1/14/97

Test Well: KRANND

AQUIFER DATA

Saturated Thickness: 160. ft

Anisotropy Ratio (Kz/Kr): 0.25

SLUG TEST WELL DATA

Test Well: KRANND

X Location: 0. ft

Y Location: 0. ft

Initial Displacement: 3.16 ft

Static Water Column Height: 88.5 ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

Well Skin Radius: 0.25 ft

Screen Length: 4. ft

Total Well Penetration Depth: 88.5 ft

Corrected Casing Radius (Bouwer-Rice Method): 0.083 ft

Gravel Pack Porosity: 0.

No. of Observations: 45

Time (min)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (min)	
0.05	1.	0.8333	0.06013
0.0666	0.8354	0.9167	0.05063
0.0833	0.7595	1.	0.04114
0.1	0.6899	1.083	0.04114
0.1166	0.6361	1.167	0.03481
0.1333	0.5854	1.25	0.02848
0.15	0.5411	1.333	0.02532
0.1666	0.5	1.417	0.02215
0.1833	0.4652	1.5	0.02215
0.2	0.4304	1.583	0.01899
0.2166	0.4019	1.667	0.01582
0.2333	0.3766	1.75	0.01582
0.25	0.3513	1.833	0.01266
0.2666	0.3291	1.917	0.01266
0.2833	0.3101	2.	0.01266
0.3	0.288	2.5	0.006329
0.3166	0.2722	3.	0.003165
0.3333	0.2563	3.5	0.003165

<u>Time (min)</u>	<u>Displacement (ft)</u>	<u>Time (min)</u>	<u>Displacement (ft)</u>
0.4167	0.193	4.	0.003165
0.5	0.1487	4.5	0.
0.5833	0.1139	5.	0.003165
0.6667	0.09494	5.5	0.
0.75	0.07595		

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SOLUTION

Slug Test  
 Aquifer Model: Confined  
 Solution Method: Bouwer-Rice  
 ln(Re/rw): 2.357

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VISUAL ESTIMATION RESULTS

Estimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	17.73	ft/day
y0	1.132	ft

K = 0.006253 cm/sec  
 T = K\*b = 2836.1 ft<sup>2</sup>/day (30.5 sq. cm/sec)