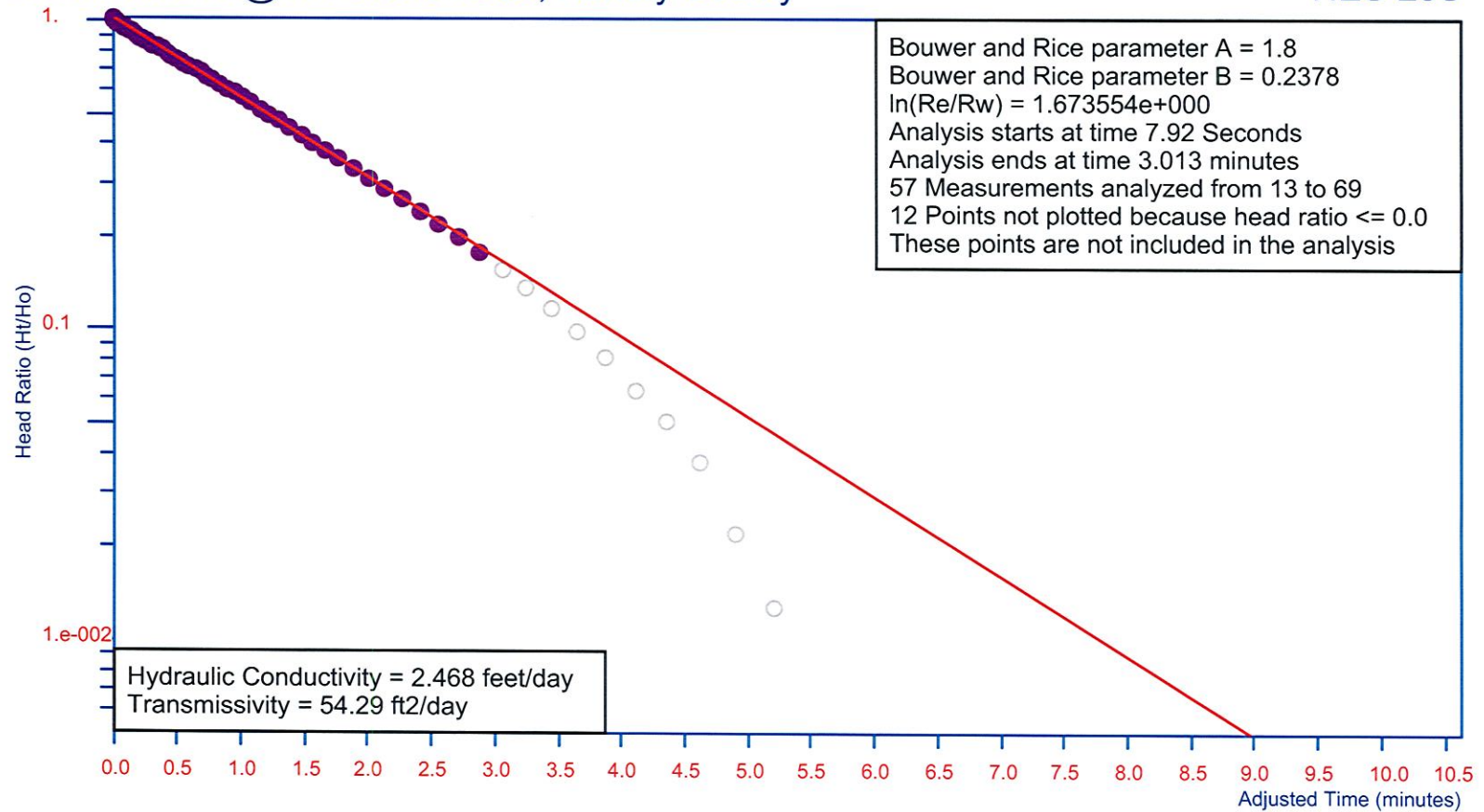


C-139 Basin Study 10/20/2009

CR 835 ROW @ KT Grove Road, Hendry County

Bouwer and Rice Graph

HES-25S



Project Number: 38617509 for SFWMD
Analysis by Starpoint Software

Ho is 1.402 feet at 7.92 Seconds

Bouwer and Rice Automatic Parameter Estimation

C-139 Basin Study

Site Name: CR 835 ROW @ KT Grove Road,
 Location: Hendry County
 Test Date: 10/20/2009
 Client: SFWMD
 Project Number: 38617509
 Import File: E:\HendryCountyWells\Slugs\W-4S-R1-inslug.txt

Well Label: HES-25S
 Aquifer Thickness: 22. feet
 Screen Length: 2. feet
 Casing Radius: 1. Inches
 Effective Radius: 3. Inches
 Bouwer and Rice Parameter A: 1.8
 Bouwer and Rice Parameter B: 0.2378
 Radius of Influence of Test: 1.333 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Meters3/Day)
13	0.	1.402	0.5586	--	
14	1.1e-002	1.415	0.5637	--	
15	2.2e-002	1.397	0.5566	0.6794	0.2018
16	3.3e-002	1.384	0.5514	1.638	0.4821
17	4.4e-002	1.382	0.5506	1.366	0.4015
18	5.5e-002	1.373	0.547	1.59	0.4642
19	6.6e-002	1.36	0.5418	1.928	0.5576
20	7.7e-002	1.351	0.5382	2.013	0.5784
21	8.8e-002	1.342	0.5347	2.08	0.5934
22	9.9e-002	1.331	0.5303	2.196	0.6216
23	0.1107	1.322	0.5267	2.221	0.6242
24	0.1232	1.311	0.5223	2.279	0.6353
25	0.1363	1.298	0.5171	2.366	0.653
26	0.1503	1.289	0.5135	2.339	0.6411
27	0.1652	1.278	0.5092	2.345	0.6373
28	0.1808	1.265	0.504	2.38	0.64
29	0.1975	1.254	0.4996	2.363	0.6302
30	0.2152	1.238	0.4932	2.419	0.6367
31	0.2338	1.227	0.4888	2.386	0.6225
32	0.2537	1.214	0.4837	2.374	0.6129
33	0.2747	1.201	0.4785	2.357	0.6019
34	0.2968	1.188	0.4733	2.335	0.5898
35	0.3203	1.17	0.4661	2.363	0.5879
36	0.3452	1.155	0.4602	2.349	0.5769
37	0.3715	1.146	0.4566	2.271	0.5533
38	0.3995	1.128	0.4494	2.277	0.5462
39	0.4292	1.102	0.439	2.347	0.55
40	0.4605	1.082	0.4311	2.354	0.5416
41	0.4937	1.064	0.4239	2.338	0.5289
42	0.5288	1.042	0.4151	2.348	0.5202
43	0.5662	1.022	0.4072	2.336	0.5077
44	0.6057	1.	0.3984	2.334	0.4963
45	0.6475	0.976	0.3888	2.34	0.4857
46	0.6918	0.954	0.3801	2.328	0.4723
47	0.7388	0.929	0.3701	2.331	0.4604
48	0.7887	0.901	0.359	2.346	0.4494

CR 835 ROW @ KT Grove Road,

49	0.8413	0.874	0.3482	2.35	0.4368
50	0.8972	0.845	0.3367	2.361	0.4242
51	0.9563	0.819	0.3263	2.352	0.4096
52	1.019	0.788	0.3139	2.366	0.3964
53	1.085	0.759	0.3024	2.366	0.3818
54	1.156	0.728	0.29	2.373	0.3673
55	1.23	0.698	0.2781	2.372	0.352
56	1.309	0.667	0.2657	2.374	0.3367
57	1.393	0.634	0.2526	2.384	0.3214
58	1.481	0.6	0.239	2.397	0.3058
59	1.575	0.567	0.2259	2.405	0.2899
60	1.674	0.534	0.2127	2.412	0.2738
61	1.78	0.501	0.1996	2.419	0.2577
62	1.891	0.466	0.1857	2.437	0.2414
63	2.01	0.435	0.1733	2.437	0.2254
64	2.135	0.404	0.161	2.439	0.2095
65	2.267	0.371	0.1478	2.453	0.1935
66	2.408	0.34	0.1355	2.462	0.178
67	2.556	0.305	0.1215	2.496	0.1619
68	2.714	0.278	0.1108	2.494	0.1474
69	2.881	0.249	9.92e-002	2.51	0.1329

Arithmetic Means:

Hydraulic Conductivity 2.169 feet/day
 Transmissivity 47.72 ft²/day

Geometric Means:

Hydraulic Conductivity -1.#10 feet/day
 Transmissivity -1.#10 ft²/day

Sensitivity Analysis:

Hydraulic Conductivity 2.393 feet/day
 Transmissivity 52.64 ft²/day

