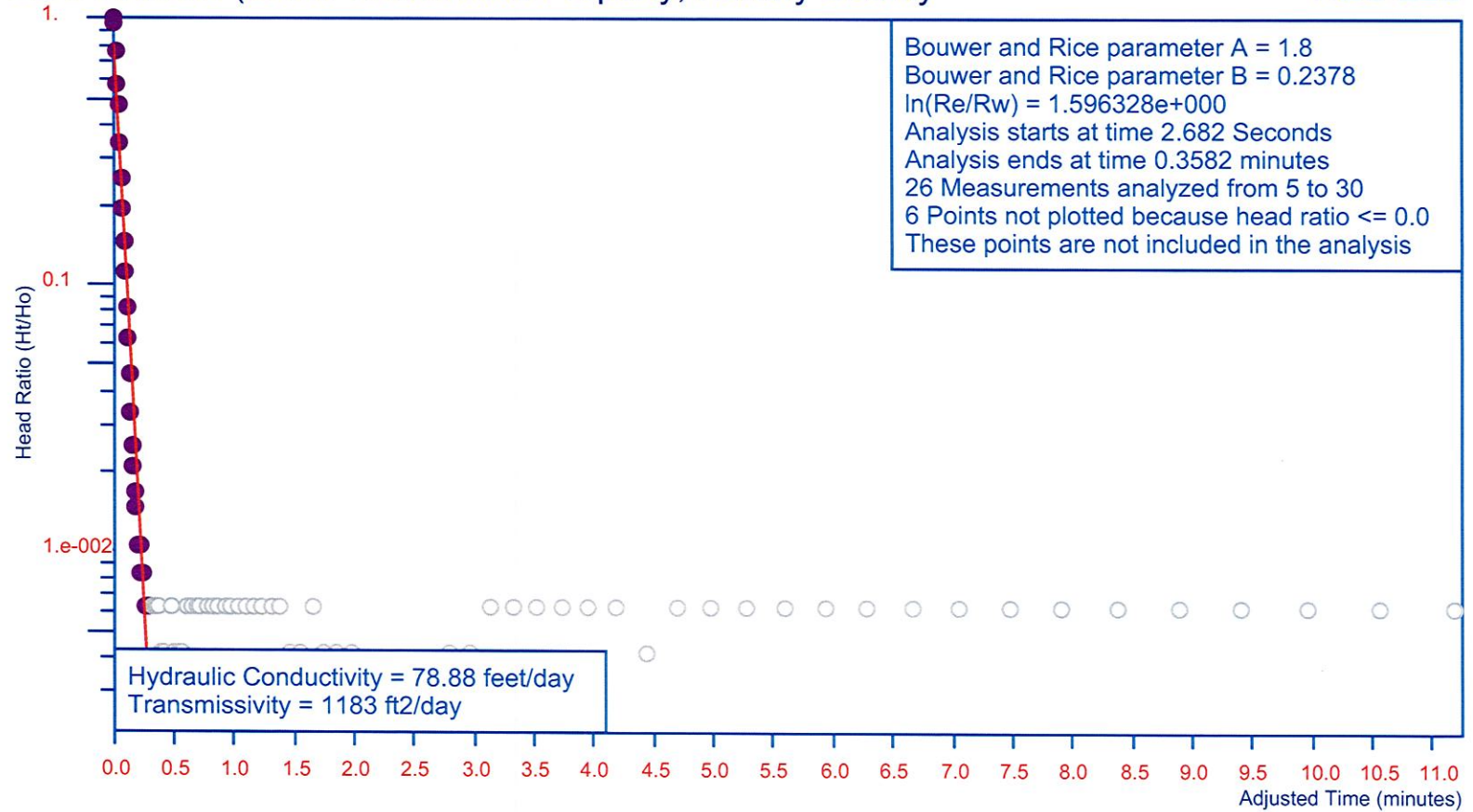


C-139 Basin Study 10/28/09

Bouwer and Rice Graph

ABC RANCH (Solon Crews Mills Property, Hendry County

HES-22S



Project Number: 38617509 for SFWMD
Analysis by Starpoint Software

Ho is 0.478 feet at 2.682 Seconds

Bouwer and Rice Automatic Parameter Estimation

C-139 Basin Study

Site Name: ABC RANCH (Solon Crews Mills Property,
 Location: Hendry County
 Test Date: 10/28/09
 Client: SFWMD
 Project Number: 38617509
 Import File: G:\Documents\URS\Slugs\W1-ShallowIn.txt

Well Label: HES-22S
 Aquifer Thickness: 15. 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: 1.234 feet

Trial	Adjusted Time (minutes)	Head (feet)	Head Ratio	Hyd. Con. (feet/day)	Flow to Well (Meters3/Day)
5	0.	0.478	1.	--	
6	1.11e-002	0.467	0.977	8.37	0.8714
7	2.23e-002	0.366	0.7657	47.78	3.898
8	3.35e-002	0.272	0.569	67.17	4.073
9	4.46e-002	0.227	0.4749	66.63	3.372
10	5.58e-002	0.164	0.3431	76.51	2.797
11	6.7e-002	0.12	0.251	82.33	2.202
12	7.81e-002	9.2e-002	0.1925	84.2	1.727
13	8.93e-002	7.e-002	0.1464	85.85	1.34
14	0.1005	5.3e-002	0.1109	87.33	1.032
15	0.1116	3.9e-002	8.159e-002	89.62	0.7791
16	0.1228	3.e-002	6.276e-002	89.97	0.6017
17	0.134	2.2e-002	4.603e-002	91.69	0.4497
18	0.1451	1.6e-002	3.347e-002	93.43	0.3332
19	0.1563	1.2e-002	2.51e-002	94.08	0.2517
20	0.1675	1.e-002	2.092e-002	92.13	0.2054
21	0.1786	8.e-003	1.674e-002	91.39	0.163
22	0.1903	7.e-003	1.464e-002	88.58	0.1382
23	0.2028	5.e-003	1.046e-002	89.74	0.1
24	0.216	5.e-003	1.046e-002	84.25	9.391e-002
25	0.23	4.e-003	8.368e-003	83.	7.401e-002
26	0.2448	4.e-003	8.368e-003	77.98	6.953e-002
27	0.2605	3.e-003	6.276e-003	77.69	5.195e-002
28	0.2771	3.e-003	6.276e-003	73.03	4.884e-002
29	0.2948	3.e-003	6.276e-003	68.65	4.591e-002
30	0.3135	3.e-003	6.276e-003	64.55	4.317e-002

Arithmetic Means:
 Hydraulic Conductivity 78.24 feet/day
 Transmissivity 1174 ft²/day

Geometric Means:
 Hydraulic Conductivity 73.3 feet/day
 Transmissivity 1100 ft²/day

Sensitivity Analysis:

ABC RANCH (Solon Crews Mills Property,

Hydraulic Conductivity
Transmissivity

75.59 feet/day
1134 ft²/day

