

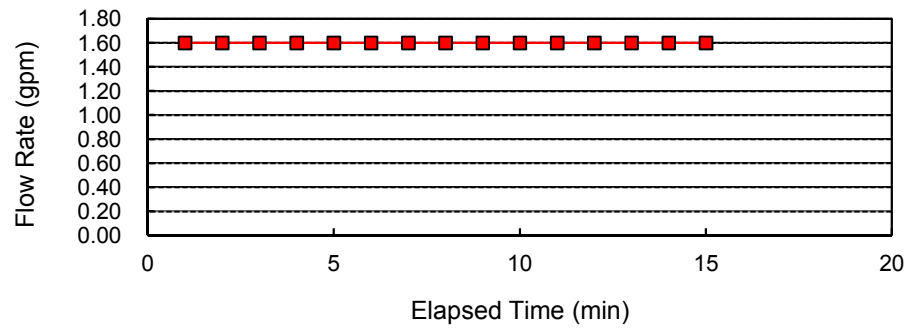


**USUAL OPEN - HOLE TEST EVALUATION  
SOUTH FLORIDA WATER MANAGEMENT METHOD**

Client:	<u>SFWMD</u>	Test No.:	<u>W-10</u>	Date:	<u>08/13/13</u>
Project:	<u>C-139 Annex Restoration</u>	Well Depth:	<u>10.0</u> Feet	Analyst:	<u>RK</u>
Job No.:	<u>7111-13-142</u>	Location:	<u>Hendry County</u>		

Elapsed Time (min)	Reading	Flow Rate (gpm)	Equation for K Value: $\frac{4Q}{\pi * d(2H_2^2 + 4H_2D_s + H_2d)}$	Soil Profile
0	0.00	0.00		0-25' Sand (SP)
1	1.60	1.60		
2	3.20	1.60		
3	4.80	1.60	k = 1.24E-04 CF/S/Ft <sup>2</sup> - Ft Head	
4	6.40	1.60	H <sub>2</sub> = 2.00 Ft Hydraulic Head	
5	8.00	1.60		
6	9.60	1.60		
7	11.20	1.60	Where:	<b>Hydraulic Conductivity</b>
8	12.80	1.60		<b>K= 1.24E-04 CF/S/Ft<sup>2</sup> - Ft Head</b>
9	14.40	1.60		
10	16.00	1.60		
11	17.60	1.60		
12	19.2	1.60		
13	20.8	1.60		
14	22.4	1.60		
15	24.0	1.60		
Constant Flow Rate (gpm)		1.60		

**Flow Rate vs Elapsed Time**



Ds= 8 ft  
 d= 0.5 ft  
 GWT= 2.00 ft



**USUAL OPEN - HOLE TEST EVALUATION  
SOUTH FLORIDA WATER MANAGEMENT METHOD**

Client:	<u>SFWMD</u>	Test No.:	<u>W-10</u>	Date:	<u>08/13/13</u>
Project:	<u>C-139 Annex Restoration</u>	Well Depth:	<u>15.0</u> Feet	Analyst:	<u>RK</u>
Job No.:	<u>7111-13-142</u>	Location:	<u>Hendry County</u>		

Elapsed Time (min)	Reading	Flow Rate (gpm)
0	0.00	0.00
1	1.20	1.20
2	2.40	1.20
3	3.60	1.20
4	4.80	1.20
5	6.00	1.20
6	7.20	1.20
7	8.40	1.20
8	9.60	1.20
9	10.80	1.20
10	12.00	1.20
11	13.20	1.20
12	14.4	1.20
13	15.6	1.20
14	16.9	1.30
15	18.1	1.20
Constant Flow Rate (gpm)		1.21

Equation for K Value:  $\frac{4Q}{\pi * d (4H2Ds + H2d)}$

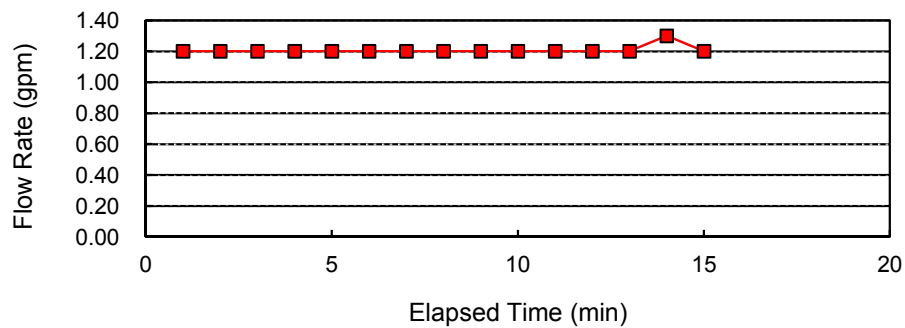
Soil Profile  
0-25' Sand (SP)

k = 1.67E-04 CF/S/Ft<sup>2</sup> - Ft Head  
H<sub>2</sub> = 2.00 Ft Hydraulic Head

Where: **Hydraulic Conductivity**

**K = 1.67E-04 CF/S/Ft<sup>2</sup> - Ft Head**

**Flow Rate vs Elapsed Time**



Ds= 5 ft  
d= 0.5 ft  
GWT= 2.00 ft



**USUAL OPEN - HOLE TEST EVALUATION  
SOUTH FLORIDA WATER MANAGEMENT METHOD**

Client:	SFWMD	Test No.:	W-10	Date:	08/13/13
Project:	C-139 Annex Restoration	Well Depth:	25.0 Feet	Analyst:	RK
Job No.:	7111-13-142	Location:	Hendry County		

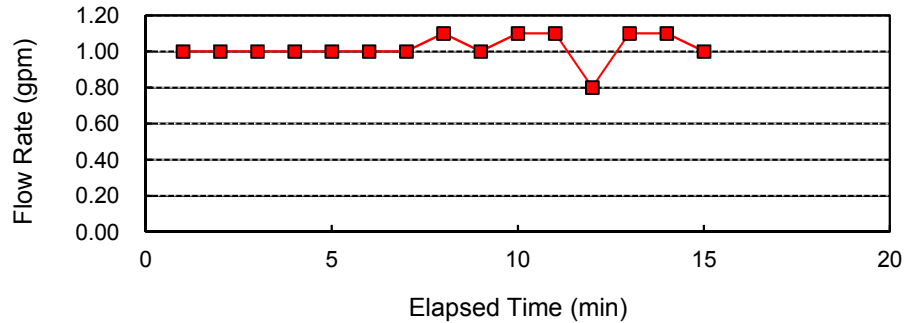
Elapsed Time (min)	Reading	Flow Rate (gpm)
0	0.00	0.00
1	1.00	1.00
2	2.00	1.00
3	3.00	1.00
4	4.00	1.00
5	5.00	1.00
6	6.00	1.00
7	7.00	1.00
8	8.10	1.10
9	9.10	1.00
10	10.20	1.10
11	11.30	1.10
12	12.1	0.80
13	13.2	1.10
14	14.3	1.10
15	15.3	1.00
Constant Flow Rate (gpm)		1.02

Equation for K Value:  $\frac{4Q}{\pi \cdot d (4H_2D_s + H_2d)}$       Soil Profile: 0-25' Sand (SP)

k = 4.76E-05 CF/S/Ft<sup>2</sup> - Ft Head  
H<sub>2</sub> = 3.00 Ft Hydraulic Head

Where: **Hydraulic Conductivity**  
**K= 4.76E-05 CF/S/Ft<sup>2</sup> - Ft Head**

**Flow Rate vs Elapsed Time**



Ds= 10 ft  
d= 0.5 ft  
GWT= 3.00 ft