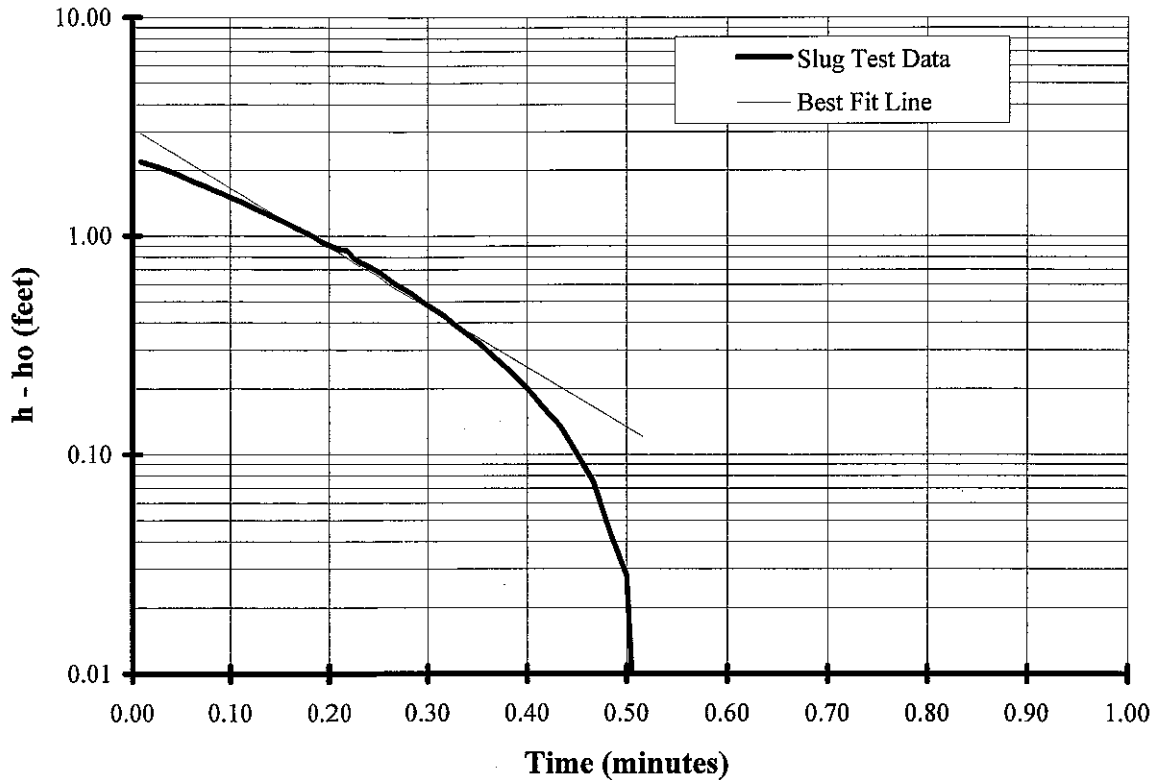


**SLUG TEST FROM RECOVERY DATA**

Project: Biscayne Bay Coastal Wetlands      Date of Test: 8/31/04  
 SFWMD      Well ID: Biscayne Bay North - shallow

**SLUG TEST**



**WELL CONSTRUCTION DATA**

R casing = 0.08 feet  
 R gravel pack = 0.25 feet  
 Porosity of the aquifer = 0.25  
 Porosity of gravel pack = 0.30  
 Effective radius of casing = 0.10 feet (Rc)  
 Casing radius for analysis = 0.11 feet (Rw)  
 Radius of well for analysis = 0.25 feet  
 Casing Stickup = 10.80 feet als  
 Depth of water = 7.77 feet btoc  
 Depth of well = 24.70 feet btoc  
 Depth of aquifer = 45.00 feet bls  
 Depth to top of filter pack = 20.70 feet bls  
 Length of screen = 2.50 feet  
 Length of gravel pack = 4.00 feet  
 L (input) = 4.00 feet  
 Case = 2

**SLUG TEST DATA/RESULTS**

(Bouwer Rice Method)  
 L/Rw = 16  
 A = 2.02  
 B = 0.28  
 C = 1.47  
 H = 16.93 feet  
 ln[(D-H)/Rw] = 4.72  
 Ln (Ri/Rw) = 2.83  
 R influence = 4.26 feet (Ri)  
**Line Fit Range and Parameters**  
 t minimum = >1 minutes  
 t maximum = <0.40 minutes  
 r 2 = 0.989  
 Estimated K h = 39 feet/day

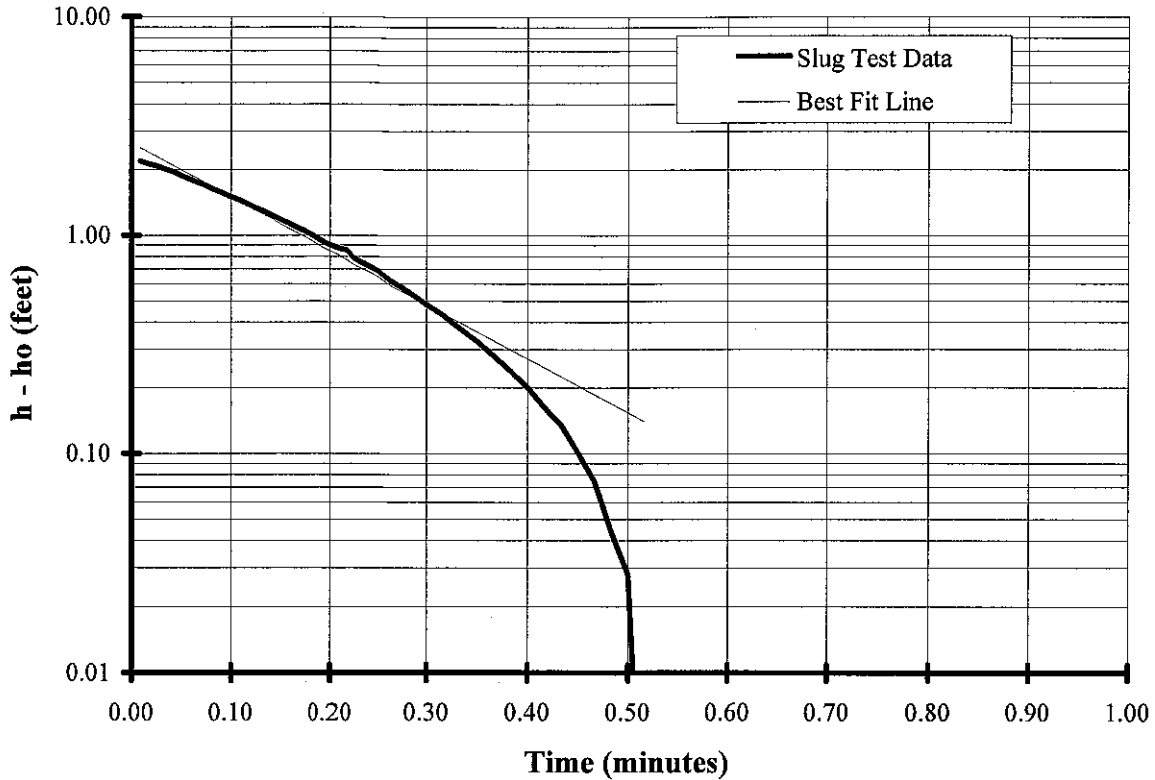
**SLUG TEST FROM RECOVERY DATA**

Project: Biscayne Bay Coastal Wetlands		Date of Test: 8/31/04									
SFWMD		Well ID: Biscayne Bay North - shallow									
Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	2.30	1.00	0.450	0.10	0.04						
0.008	2.19	0.95	0.467	0.08	0.03						
0.017	2.13	0.93	0.483	0.04	0.02						
0.025	2.08	0.90	0.500	0.03	0.01						
0.033	2.01	0.88	0.517	0.00	0.00						
0.042	1.95	0.85									
0.050	1.88	0.82									
0.058	1.81	0.79									
0.067	1.74	0.76									
0.075	1.68	0.73									
0.083	1.62	0.70									
0.092	1.56	0.68									
0.100	1.50	0.65									
0.108	1.45	0.63									
0.117	1.39	0.61									
0.125	1.34	0.58									
0.133	1.29	0.56									
0.142	1.23	0.54									
0.150	1.18	0.51									
0.158	1.14	0.49									
0.167	1.09	0.47									
0.175	1.04	0.45									
0.183	1.00	0.43									
0.192	0.95	0.41									
0.200	0.91	0.39									
0.208	0.87	0.38									
0.217	0.86	0.37									
0.225	0.79	0.34									
0.233	0.75	0.33									
0.242	0.71	0.31									
0.250	0.68	0.30									
0.258	0.64	0.28									
0.267	0.61	0.27									
0.275	0.58	0.25									
0.283	0.55	0.24									
0.292	0.52	0.22									
0.300	0.48	0.21									
0.308	0.46	0.20									
0.317	0.43	0.19									
0.325	0.40	0.17									
0.333	0.37	0.16									
0.350	0.33	0.14									
0.367	0.28	0.12									
0.383	0.24	0.10									
0.400	0.20	0.09									
0.417	0.16	0.07									
0.433	0.14	0.06									

**SLUG TEST FROM RECOVERY DATA**

Project: Biscayne Bay Coastal Wetlands      Date of Test: 8/31/04  
 SFWMD      Well ID: Biscayne Bay North - shallow

**SLUG TEST**



**WELL CONSTRUCTION DATA**

R casing = 0.08 feet  
 R gravel pack = 0.25 feet  
 Porosity of the aquifer = 0.25  
 Porosity of gravel pack = 0.30  
 Effective radius of casing = 0.10 feet (Rc)  
 Casing radius for analysis = 0.11 feet (Rw)  
 Radius of well for analysis = 0.25 feet  
 Casing Stickup = 10.80 feet als  
 Depth of water = 7.77 feet btoc  
 Depth of well = 24.70 feet btoc  
 Depth of aquifer = 45.00 feet bls  
 Depth to top of filter pack = 20.70 feet bls  
 Length of screen = 2.50 feet  
 Length of gravel pack = 4.00 feet  
 L (input) = 4.00 feet  
 Case = 2

**SLUG TEST DATA/RESULTS**

(Bouwer Rice Method)  
 L/Rw = 16  
 A = 2.02  
 B = 0.28  
 C = 1.47  
 H = 16.93 feet  
 ln[(D-H)/Rw] = 4.72  
 Ln (Ri/Rw) = 2.83  
 R influence = 4.26 feet (Ri)  
**Line Fit Range and Parameters**  
 t minimum =  $\geq 0.01$  minutes  
 t maximum =  $\leq 0.40$  minutes  
 r 2 = 0.986  
 Estimated K h = 35 feet/day

**SLUG TEST FROM RECOVERY DATA**

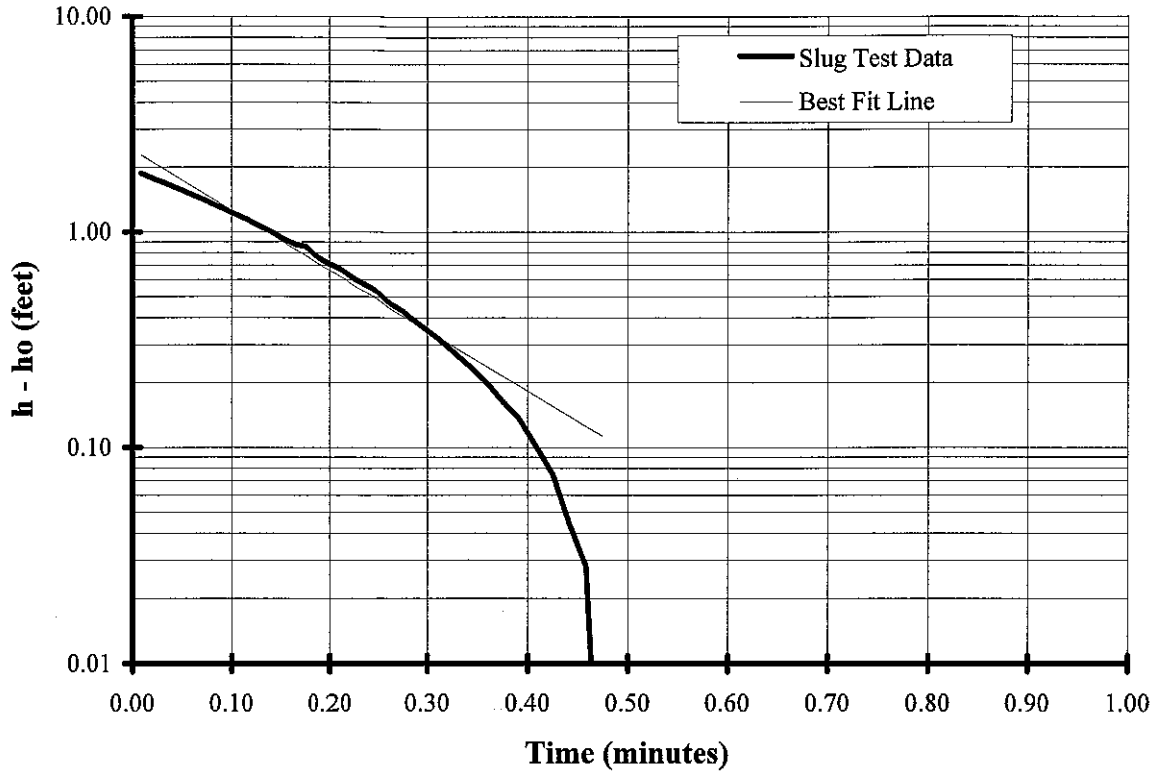
Incremental Values		H/Ho (-)	Incremental Values		H/Ho (-)	Incremental Values		H/Ho (-)	Incremental Values		H/Ho (-)
Time (min)	Head (feet)		Time (min)	Head (feet)		Time (min)	Head (feet)		Time (min)	Head (feet)	
0.000	2.30	1.00	0.450	0.10	0.04						
0.008	2.19	0.95	0.467	0.08	0.03						
0.017	2.13	0.93	0.483	0.04	0.02						
0.025	2.08	0.90	0.500	0.03	0.01						
0.033	2.01	0.88	0.517	0.00	0.00						
0.042	1.95	0.85									
0.050	1.88	0.82									
0.058	1.81	0.79									
0.067	1.74	0.76									
0.075	1.68	0.73									
0.083	1.62	0.70									
0.092	1.56	0.68									
0.100	1.50	0.65									
0.108	1.45	0.63									
0.117	1.39	0.61									
0.125	1.34	0.58									
0.133	1.29	0.56									
0.142	1.23	0.54									
0.150	1.18	0.51									
0.158	1.14	0.49									
0.167	1.09	0.47									
0.175	1.04	0.45									
0.183	1.00	0.43									
0.192	0.95	0.41									
0.200	0.91	0.39									
0.208	0.87	0.38									
0.217	0.86	0.37									
0.225	0.79	0.34									
0.233	0.75	0.33									
0.242	0.71	0.31									
0.250	0.68	0.30									
0.258	0.64	0.28									
0.267	0.61	0.27									
0.275	0.58	0.25									
0.283	0.55	0.24									
0.292	0.52	0.22									
0.300	0.48	0.21									
0.308	0.46	0.20									
0.317	0.43	0.19									
0.325	0.40	0.17									
0.333	0.37	0.16									
0.350	0.33	0.14									
0.367	0.28	0.12									
0.383	0.24	0.10									
0.400	0.20	0.09									
0.417	0.16	0.07									
0.433	0.14	0.06									

**SLUG TEST FROM RECOVERY DATA**

Project: Biscayne Bay Coastal Wetlands  
 SFWMD

Date of Test: 8/31/04  
 Well ID: BK in Bay - shallow

**SLUG TEST**



**WELL CONSTRUCTION DATA**

R casing = 0.08 feet  
 R gravel pack = 0.25 feet  
 Porosity of the aquifer = 0.25  
 Porosity of gravel pack = 0.30  
 Effective radius of casing = 0.10 feet (Rc)  
 Casing radius for analysis = 0.11 feet (Rw)  
 Radius of well for analysis = 0.25 feet  
 Casing Stickup = 10.40 feet als  
 Depth of water = 7.77 feet btoc  
 Depth of well = 24.70 feet btoc  
 Depth of aquifer = 45.00 feet bls  
 Depth to top of filter pack = 20.20 feet bls  
 Length of screen = 2.50 feet  
 Length of gravel pack = 4.00 feet  
 L (input) = 4.00 feet  
 Case = 2

**SLUG TEST DATA/RESULTS  
 (Bouwer Rice Method)**

L/Rw = 16  
 A = 2.02  
 B = 0.28  
 C = 1.47  
 H = 16.93 feet  
 ln[(D-H)/Rw] = 4.72  
 Ln (Ri/Rw) = 2.83  
 R influence = 4.26 feet (Ri)  
**Line Fit Range and Parameters**  
 t minimum = >.035 minutes  
 t maximum = <.39 minutes  
 r 2 = 0.981  
 Estimated K h = 40 feet/day

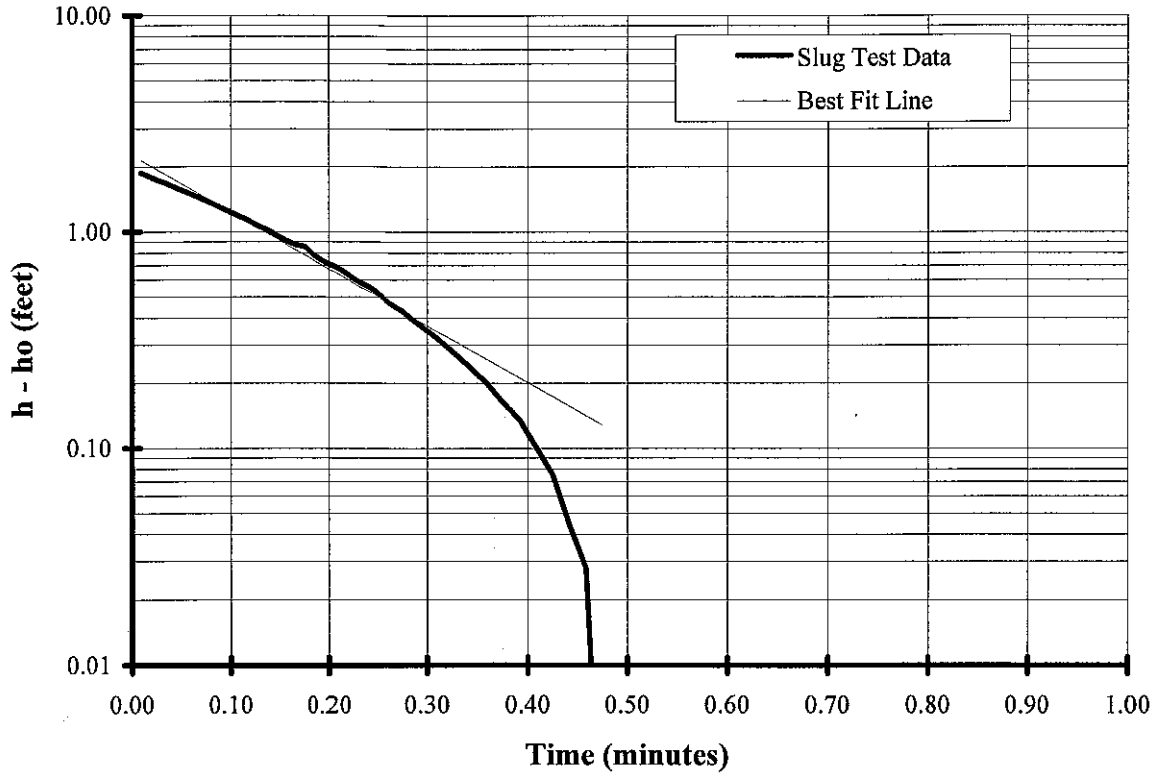
**SLUG TEST FROM RECOVERY DATA**

Project: Biscayne Bay Coastal Wetlands		Date of Test: 8/31/04									
SFWMD		Well ID: BK in Bay - shallow									
Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	1.95	1.00									
0.008	1.88	0.96									
0.017	1.81	0.93									
0.025	1.74	0.89									
0.033	1.68	0.86									
0.042	1.62	0.83									
0.050	1.56	0.80									
0.058	1.50	0.77									
0.067	1.45	0.74									
0.075	1.39	0.71									
0.083	1.34	0.68									
0.092	1.29	0.66									
0.100	1.23	0.63									
0.108	1.18	0.61									
0.117	1.14	0.58									
0.125	1.09	0.56									
0.133	1.04	0.53									
0.142	1.00	0.51									
0.150	0.95	0.48									
0.158	0.91	0.46									
0.167	0.87	0.45									
0.175	0.86	0.44									
0.183	0.79	0.40									
0.192	0.75	0.38									
0.200	0.71	0.36									
0.208	0.68	0.35									
0.217	0.64	0.33									
0.225	0.61	0.31									
0.233	0.58	0.30									
0.242	0.55	0.28									
0.250	0.52	0.26									
0.258	0.48	0.25									
0.267	0.46	0.23									
0.275	0.43	0.22									
0.283	0.40	0.20									
0.292	0.37	0.19									
0.308	0.33	0.17									
0.325	0.28	0.14									
0.342	0.24	0.12									
0.358	0.20	0.10									
0.375	0.16	0.08									
0.392	0.14	0.07									
0.408	0.10	0.05									
0.425	0.08	0.04									
0.442	0.04	0.02									
0.458	0.03	0.01									
0.475	0.00	0.00									

**SLUG TEST FROM RECOVERY DATA**

Project: Biscayne Bay Coastal Wetlands      Date of Test: 8/31/04  
 SFWMD      Well ID: BK in Bay - shallow

**SLUG TEST**



**WELL CONSTRUCTION DATA**

R casing = 0.08 feet  
 R gravel pack = 0.25 feet  
 Porosity of the aquifer = 0.25  
 Porosity of gravel pack = 0.30  
 Effective radius of casing = 0.10 feet (Rc)  
 Casing radius for analysis = 0.11 feet (Rw)  
 Radius of well for analysis = 0.25 feet  
 Casing Stickup = 10.40 feet als  
 Depth of water = 7.77 feet btoc  
 Depth of well = 24.70 feet btoc  
 Depth of aquifer = 45.00 feet bls  
 Depth to top of filter pack = 20.20 feet bls  
 Length of screen = 2.50 feet  
 Length of gravel pack = 4.00 feet  
 L (input) = 4.00 feet  
 Case = 2

**SLUG TEST DATA/RESULTS**  
 (Bouwer Rice Method)

L/Rw = 16  
 A = 2.02  
 B = 0.28  
 C = 1.47  
 H = 16.93 feet  
 ln[(D-H)/Rw] = 4.72  
 Ln (Ri/Rw) = 2.83  
 R influence = 4.26 feet (Ri)  
**Line Fit Range and Parameters**  
 t minimum = >0.25 minutes  
 t maximum = <0.35 minutes  
 r 2 = 0.988  
 Estimated K h = 37 feet/day

**SLUG TEST FROM RECOVERY DATA**

Incremental Values		H/Ho (-)	Incremental Values		H/Ho (-)	Incremental Values		H/Ho (-)	Incremental Values		H/Ho (-)
Time (min)	Head (feet)		Time (min)	Head (feet)		Time (min)	Head (feet)		Time (min)	Head (feet)	
0.000	1.95	1.00									
0.008	1.88	0.96									
0.017	1.81	0.93									
0.025	1.74	0.89									
0.033	1.68	0.86									
0.042	1.62	0.83									
0.050	1.56	0.80									
0.058	1.50	0.77									
0.067	1.45	0.74									
0.075	1.39	0.71									
0.083	1.34	0.68									
0.092	1.29	0.66									
0.100	1.23	0.63									
0.108	1.18	0.61									
0.117	1.14	0.58									
0.125	1.09	0.56									
0.133	1.04	0.53									
0.142	1.00	0.51									
0.150	0.95	0.48									
0.158	0.91	0.46									
0.167	0.87	0.45									
0.175	0.86	0.44									
0.183	0.79	0.40									
0.192	0.75	0.38									
0.200	0.71	0.36									
0.208	0.68	0.35									
0.217	0.64	0.33									
0.225	0.61	0.31									
0.233	0.58	0.30									
0.242	0.55	0.28									
0.250	0.52	0.26									
0.258	0.48	0.25									
0.267	0.46	0.23									
0.275	0.43	0.22									
0.283	0.40	0.20									
0.292	0.37	0.19									
0.308	0.33	0.17									
0.325	0.28	0.14									
0.342	0.24	0.12									
0.358	0.20	0.10									
0.375	0.16	0.08									
0.392	0.14	0.07									
0.408	0.10	0.05									
0.425	0.08	0.04									
0.442	0.04	0.02									
0.458	0.03	0.01									
0.475	0.00	0.00									