

DATE	Water Withdrawal/Purchase (mgd)				Consumptive Use (mgd)							Water Use
	Jordan Lake Withdrawal	Neuse Basin Purchase		Total System Use	Haw		Cape Fear		Neuse		Total	WTP Process Water
	Haw	Raleigh	Durham		Potable	WRF Reuse	Potable	WRF Reuse	Potable	WRF Reuse		
1/1/2009	14.52	0	0	14.52	0.16	0	0.00	0	0.41	0.42	0.99	3.15
1/2/2009	14.79	0	0	14.79	0.17	0	0.00	0	0.45	0.41	1.04	2.23
1/3/2009	15.06	0	0	15.06	0.18	0	0.00	0	0.47	0.41	1.07	1.79
1/4/2009	14.94	0	0	14.94	0.19	0	0.01	0	0.48	0.40	1.08	1.34
1/5/2009	17.09	0	0	17.09	0.18	0	0.00	0	0.47	0.41	1.06	4
1/6/2009	15.4	0	0	15.4	0.19	0	0.00	0	0.51	0.41	1.12	1.23
1/7/2009	14.97	0	0	14.97	0.18	0	0.00	0	0.47	0.41	1.06	1.82
1/8/2009	15.9	0	0	15.9	0.18	0	0.00	0	0.48	0.41	1.08	2.52
1/9/2009	15.77	0	0	15.77	0.20	0	0.00	0	0.52	0.41	1.13	1.24
1/10/2009	15.17	0	0	15.17	0.18	0	0.00	0	0.47	0.42	1.08	2
1/11/2009	14.89	0	0	14.89	0.19	0	0.00	0	0.48	0.39	1.06	1.53
1/12/2009	15.65	0	0	15.65	0.19	0	0.01	0	0.49	0.44	1.12	1.91
1/13/2009	15.57	0	0	15.57	0.18	0	0.00	0	0.48	0.41	1.08	2.18
1/14/2009	15.98	0	0	15.98	0.20	0	0.00	0	0.51	0.40	1.12	1.68
1/15/2009	16.64	0	0	16.64	0.19	0	0.00	0	0.51	0.42	1.13	2.47
1/16/2009	16.28	0	0	16.28	0.19	0	0.01	0	0.47	0.43	1.09	3.07
1/17/2009	14.16	0	0	14.16	0.19	0	0.00	0	0.49	0.42	1.11	0.36
1/18/2009	17.09	0	0	17.09	0.20	0	0.01	0	0.50	0.41	1.12	2.96
1/19/2009	16.48	0	0	16.48	0.20	0	0.00	0	0.51	0.41	1.13	2.18
1/20/2009	17.3	0	0	17.3	0.28	0	0.01	0	0.53	0.43	1.26	3.66
1/21/2009	14.37	0	0	14.37	0.18	0	0.00	0	0.46	0.40	1.05	1.53
1/22/2009	15.71	0	0	15.71	0.19	0	0.00	0	0.51	0.42	1.13	1.58
1/23/2009	17.91	0	0	17.91	0.20	0	0.00	0	0.51	0.46	1.17	3.72
1/24/2009	17.25	0	0	17.25	0.23	0	0.01	0	0.54	0.42	1.21	2.41
1/25/2009	18.1	0	0	18.1	0.26	0	0.01	0	0.56	0.43	1.27	3.07
1/26/2009	17.52	0	0	17.52	0.25	0	0.01	0	0.52	0.46	1.24	3.72
1/27/2009	16.19	0	0	16.19	0.33	0	0.01	0	0.54	0.49	1.37	2.74
1/28/2009	15.77	0	0	15.77	0.20	0	0.00	0	0.53	0.41	1.16	1.15

1/29/2009	17.75	0	0	17.75	0.20	0	0.01	0	0.51	0.42	1.13	3.55
1/30/2009	17.79	0	0	17.79	0.25	0	0.01	0	0.56	0.42	1.23	2.91
1/31/2009	16.27	0	0	16.27	0.20	0	0.01	0	0.51	0.43	1.14	1.99
2/1/2009	17.11	0	0	17.11	0.20	0	0.01	0	0.50	0.42	1.13	3.01
2/2/2009	17.25	0	0	17.25	0.20	0	0.00	0	0.53	0.44	1.18	2.84
2/3/2009	17.32	0	0	17.32	0.20	0	0.00	0	0.51	0.43	1.14	3.16
2/4/2009	16.26	0	0	16.26	0.19	0	0.00	0	0.47	0.46	1.12	3.07
2/5/2009	15.83	0	0	15.83	0.18	0	0.00	0	0.47	0.46	1.12	2.66
2/6/2009	16.81	0	0	16.81	0.19	0	0.00	0	0.50	0.45	1.14	2.95
2/7/2009	17.54	0	0	17.54	0.19	0	0.00	0	0.50	0.44	1.14	3.66
2/8/2009	16.18	0	0	16.18	0.20	0	0.01	0	0.50	0.46	1.16	2.1
2/9/2009	17.05	0	0	17.05	0.22	0	0.01	0	0.52	0.49	1.24	2.82
2/10/2009	16.53	0	0	16.53	0.19	0	0.00	0	0.50	0.48	1.17	2.7
2/11/2009	16.91	0	0	16.91	0.21	0	0.00	0	0.55	0.49	1.26	2.52
2/12/2009	17.86	0	0	17.86	0.23	0	0.01	0	0.57	0.53	1.34	3.39
2/13/2009	17.96	0	0	17.96	0.30	0	0.01	0	0.61	0.49	1.41	3.22
2/14/2009	16.15	0	0	16.15	0.25	0	0.01	0	0.53	0.48	1.27	2.39
2/15/2009	16.32	0	0	16.32	0.30	0	0.01	0	0.55	0.43	1.30	2.31
2/16/2009	17.87	0	0	17.87	0.21	0	0.00	0	0.54	0.62	1.38	3.51
2/17/2009	17.84	0	0	17.84	0.32	0	0.01	0	0.64	0.15	1.12	3.06
2/18/2009	17.31	0	0	17.31	0.24	0	0.00	0	0.62	0.17	1.03	2.41
2/19/2009	18.17	0	0	18.17	0.23	0	0.00	0	0.60	0.16	1.00	3.6
2/20/2009	18.33	0	0	18.33	0.28	0	0.01	0	0.65	0.17	1.10	3.44
2/21/2009	15.33	0	0	15.33	0.20	0	0.00	0	0.52	0.18	0.90	2.36
2/22/2009	16.03	0	0	16.03	0.22	0	0.01	0	0.51	0.17	0.91	3.03
2/23/2009	16.6	0	0	16.6	0.24	0	0.01	0	0.53	0.68	1.46	3.37
2/24/2009	16.04	0	0	16.04	0.46	0	0.02	0	0.69	0.59	1.76	1.97
2/25/2009	16.61	0	0	16.61	0.21	0	0.00	0	0.55	0.56	1.33	2.93
2/26/2009	15.9	0	0	15.9	0.20	0	0.00	0	0.52	0.54	1.27	2.29
2/27/2009	16.77	0	0	16.77	0.20	0	0.01	0	0.52	0.56	1.28	3.28
2/28/2009	15.18	0	0	15.18	0.19	0	0.00	0	0.48	0.56	1.24	1.65
3/1/2009	17.6	0	0	17.6	0.20	0	0.00	0	0.51	0.47	1.19	3.28
3/2/2009	16.83	0	0	16.83	0.18	0	0.00	0	0.47	0.55	1.21	3.59
3/3/2009	16.06	0	0	16.06	0.18	0	0.00	0	0.46	0.55	1.19	3.26
3/4/2009	16.72	0	0	16.72	0.25	0	0.01	0	0.64	0.54	1.43	2.19
3/5/2009	17.91	0	0	17.91	0.27	0	0.01	0	0.71	0.54	1.52	2.41
3/6/2009	20.56	0	0	20.56	0.29	0	0.01	0	0.77	0.56	1.62	4.16

3/7/2009	17.45	0	0	17.45	0.28	0	0.01	0	0.73	0.56	1.58	1.68
3/8/2009	17.18	0	0	17.18	0.35	0	0.01	0	0.76	0.54	1.66	1.76
3/9/2009	20.26	0	0	20.26	0.37	0	0.01	0	0.76	0.61	1.75	4.93
3/10/2009	19.33	0	0	19.33	0.42	0	0.02	0	0.80	0.58	1.81	3.87
3/11/2009	18.25	0	0	18.25	0.23	0	0.01	0	0.61	0.59	1.44	2.81
3/12/2009	16.94	0	0	16.94	0.28	0	0.01	0	0.62	0.58	1.49	2.01
3/13/2009	17.28	0	0	17.28	0.20	0	0.01	0	0.49	0.56	1.25	3.35
3/14/2009	16.44	0	0	16.44	0.18	0	0.00	0	0.48	0.56	1.23	3.09
3/15/2009	17.42	0	0	17.42	0.20	0	0.01	0	0.52	0.58	1.30	2.94
3/16/2009	18.13	0	0	18.13	0.20	0	0.01	0	0.53	0.57	1.31	3.31
3/17/2009	18.34	0	0	18.34	0.20	0	0.00	0	0.52	0.57	1.29	3.89
3/18/2009	17.26	0	0	17.26	0.22	0	0.00	0	0.58	0.59	1.40	2.78
3/19/2009	17.88	0	0	17.88	0.23	0	0.00	0	0.60	0.64	1.47	2.95
3/20/2009	17.34	0	0	17.34	0.19	0	0.00	0	0.50	0.62	1.32	3.41
3/21/2009	17.4	0	0	17.4	0.21	0	0.01	0	0.54	0.61	1.36	3.2
3/22/2009	17.43	0	0	17.43	0.22	0	0.01	0	0.57	0.64	1.43	2.67
3/23/2009	18.16	0	0	18.16	0.22	0	0.00	0	0.58	0.65	1.46	3.41
3/24/2009	18.08	0	0	18.08	0.23	0	0.01	0	0.60	0.64	1.48	3.27
3/25/2009	18.17	0	0	18.17	0.20	0	0.00	0	0.53	0.59	1.33	3.45
3/26/2009	17	0	0	17	0.21	0	0.00	0	0.54	0.63	1.39	1.85
3/27/2009	17.71	0	0	17.71	0.19	0	0.00	0	0.48	0.61	1.29	4.17
3/28/2009	16.48	0	0	16.48	0.19	0	0.00	0	0.49	0.65	1.34	2.67
3/29/2009	17.3	0	0	17.3	0.20	0	0.01	0	0.52	0.63	1.36	2.68
3/30/2009	18.21	0	0	18.21	0.20	0	0.00	0	0.52	0.64	1.36	3.85
3/31/2009	17.89	0	0	17.89	0.19	0	0.00	0	0.50	0.63	1.33	3.89
4/1/2009	15.87	0	0	15.87	0.20	0	0.00	0	0.51	0.62	1.34	1.59
4/2/2009	16.49	0	0	16.49	0.20	0	0.01	0	0.50	0.62	1.32	2.41
4/3/2009	19.3	0	0	19.3	0.20	0	0.00	0	0.53	0.63	1.36	4.65
4/4/2009	17.9	0	0	17.9	0.20	0	0.00	0	0.52	0.64	1.36	3.42
4/5/2009	14.77	0	0	14.77	0.19	0	0.01	0	0.48	0.63	1.31	1.23
4/6/2009	18.28	0	0	18.28	0.19	0	0.00	0	0.50	0.63	1.33	4.41
4/7/2009	17.61	0	0	17.61	0.20	0	0.00	0	0.51	0.62	1.34	3.29
4/8/2009	16.52	0	0	16.52	0.19	0	0.00	0	0.48	0.66	1.33	3.11
4/9/2009	16.96	0	0	16.96	0.20	0	0.00	0	0.53	0.64	1.37	2.93
4/10/2009	17.31	0	0	17.31	0.20	0	0.01	0	0.50	0.66	1.37	3.49
4/11/2009	16.6	0	0	16.6	0.19	0	0.00	0	0.49	0.63	1.32	3.09
4/12/2009	16.63	0	0	16.63	0.30	0	0.01	0	0.53	0.65	1.49	3.31

4/13/2009	16.78	0	0	16.78	0.19	0	0.00	0	0.49	0.66	1.33	3.38
4/14/2009	17.06	0	0	17.06	0.23	0	0.01	0	0.53	0.58	1.35	2.9
4/15/2009	17.11	0	0	17.11	0.19	0	0.00	0	0.48	0.60	1.28	3.63
4/16/2009	17.17	0	0	17.17	0.27	0	0.01	0	0.56	0.55	1.39	2.94
4/17/2009	17.8	0	0	17.8	0.39	0	0.02	0	0.66	0.54	1.61	2.85
4/18/2009	19.25	0	0	19.25	0.42	0	0.02	0	0.73	0.53	1.69	3.42
4/19/2009	18.32	0	0	18.32	0.28	0	0.01	0	0.59	0.59	1.48	3.62
4/20/2009	17.13	0	0	17.13	0.19	0	0.00	0	0.48	0.52	1.20	3.63
4/21/2009	17.28	0	0	17.28	0.31	0	0.01	0	0.58	0.57	1.47	3.1
4/22/2009	18.94	0	0	18.94	0.39	0	0.02	0	0.69	0.49	1.58	3.83
4/23/2009	17.18	0	0	17.18	0.55	0	0.03	0	0.76	0.55	1.89	1.87
4/24/2009	20.71	0	0	20.71	0.58	0	0.03	0	0.82	0.61	2.04	4.63
4/25/2009	20.06	0	0	20.06	1.27	0	0.05	0	2.19	0.69	4.20	1.73
4/26/2009	22.3	0	0	22.3	1.15	0	0.05	0	2.08	0.76	4.04	3.68
4/27/2009	20.73	0	0	20.73	1.08	0	0.05	0	1.63	0.74	3.50	2.81
4/28/2009	22.55	0	0	22.55	1.33	0	0.05	0	2.56	0.80	4.74	3.67
4/29/2009	23.19	0	0	23.19	1.15	0	0.03	0	2.75	0.79	4.73	4.41
4/30/2009	22.59	0	0	22.59	1.32	0	0.05	0	2.33	0.79	4.49	4.18
5/1/2009	21.92	0	0	21.92	1.27	0	0.05	0	2.27	0.75	4.34	3.05
5/2/2009	22.25	0	0	22.25	1.01	0	0.03	0	2.37	0.74	4.15	3.99
5/3/2009	21.83	0	0	21.83	1.26	0	0.04	0	2.59	0.76	4.66	2.91
5/4/2009	20.11	0	0	20.11	0.58	0	0.03	0	0.75	0.78	2.14	3.81
5/5/2009	19.15	0	0	19.15	0.26	0	0.01	0	0.57	0.60	1.44	3.93
5/6/2009	19.09	0	0	19.09	0.47	0	0.02	0	0.70	0.57	1.75	3.13
5/7/2009	19.54	0	0	19.54	0.43	0	0.02	0	0.67	0.59	1.72	3.76
5/8/2009	19.74	0	0	19.74	0.34	0	0.01	0	0.64	0.68	1.68	3.59
5/9/2009	20.49	0	0	20.49	0.69	0	0.03	0	1.29	0.69	2.70	3.28
5/10/2009	20.36	0	0	20.36	0.58	0	0.03	0	0.92	0.67	2.20	3.72
5/11/2009	18.82	0	0	18.82	0.39	0	0.02	0	0.63	0.68	1.72	3.73
5/12/2009	19.27	0	0	19.27	0.54	0	0.03	0	0.76	0.74	2.06	2.8
5/13/2009	21.31	0	0	21.31	0.95	0	0.03	0	2.02	0.72	3.72	4.01
5/14/2009	21.14	0	0	21.14	0.70	0	0.03	0	1.26	0.71	2.70	4.19
5/15/2009	19.73	0	0	19.73	0.89	0	0.04	0	1.54	0.71	3.17	2.55
5/16/2009	20.57	0	0	20.57	0.98	0	0.04	0	1.83	0.78	3.62	2.98
5/17/2009	21.19	0	0	21.19	0.38	0	0.02	0	0.67	0.59	1.66	4.53
5/18/2009	18.16	0	0	18.16	0.35	0	0.01	0	0.60	0.53	1.49	3.44
5/19/2009	21.22	0	0	21.22	1.02	0	0.04	0	1.88	0.51	3.44	3.83

5/20/2009	20.62	0	0	20.62	0.98	0	0.03	0	2.03	0.64	3.67	2.96
5/21/2009	22.21	0	0	22.21	0.86	0	0.01	0	2.27	0.63	3.77	3.67
5/22/2009	23.55	0	0	23.55	0.85	0	0.01	0	2.24	0.76	3.85	4.97
5/23/2009	22.96	0	0	22.96	1.07	0	0.01	0	2.80	0.81	4.68	4.12
5/24/2009	20.7	0	0	20.7	0.81	0	0.01	0	2.13	0.70	3.64	3.13
5/25/2009	18.91	0	0	18.91	0.21	0	0.01	0	0.53	0.56	1.31	3.99
5/26/2009	19.43	0	0	19.43	0.73	0	0.04	0	0.87	0.50	2.14	2.43
5/27/2009	21.56	0	0	21.56	0.69	0	0.02	0	1.50	0.53	2.74	5.39
5/28/2009	20.22	0	0	20.22	0.59	0	0.02	0	1.29	0.65	2.55	2.72
5/29/2009	20.41	0	0	20.41	0.49	0	0.02	0	0.75	0.59	1.85	4.06
5/30/2009	21.33	0	0	21.33	1.29	0	0.06	0	2.09	0.72	4.16	3.3
5/31/2009	21.76	0	0	21.76	1.41	0	0.05	0	2.72	0.69	4.87	2.99
6/1/2009	20.61	0	0	20.61	1.00	0	0.05	0	0.99	0.74	2.78	3.53
6/2/2009	24.28	0	0	24.28	2.55	0	0.11	0	3.89	0.81	7.38	3.4
6/3/2009	25.21	0	0	25.21	2.01	0	0.06	0	4.85	0.80	7.72	4.43
6/4/2009	24.68	0	0	24.68	1.74	0	0.05	0	3.91	0.74	6.44	3.97
6/5/2009	17.46	0	0	17.46	0.18	0	0.00	0	0.47	0.50	1.16	4.27
6/6/2009	18.67	0	0	18.67	0.29	0	0.01	0	0.60	0.54	1.44	3.26
6/7/2009	20.77	0	0	20.77	1.02	0	0.04	0	1.74	0.63	3.43	2.78
6/8/2009	21.38	0	0	21.38	0.61	0	0.03	0	0.76	0.68	2.09	5.35
6/9/2009	22.82	0	0	22.82	1.67	0	0.06	0	3.52	0.78	6.03	2.51
6/10/2009	20.56	0	0	20.56	1.21	0	0.07	0	1.03	0.49	2.79	4.26
6/11/2009	19.86	0	0	19.86	0.65	0	0.03	0	0.78	0.50	1.96	3.63
6/12/2009	22.72	0	0	22.72	1.04	0	0.02	0	2.72	0.72	4.50	4.04
6/13/2009	22.43	0	0	22.43	1.35	0	0.04	0	3.01	0.80	5.20	3.35
6/14/2009	24.18	0	0	24.18	1.89	0	0.06	0	4.18	0.73	6.87	3.66
6/15/2009	18.5	0	0	18.5	0.63	0	0.03	0	0.73	0.69	2.08	3.75
6/16/2009	20.48	0	0	20.48	0.35	0	0.01	0	0.65	0.61	1.62	3.61
6/17/2009	18.39	0	0	18.39	0.44	0	0.02	0	0.69	0.48	1.63	2.08
6/18/2009	16.68	0	0	16.68	0.19	0	0.01	0	0.46	0.46	1.10	3.76
6/19/2009	22.11	0	0	22.11	1.11	0	0.06	0	1.02	0.71	2.90	5.05
6/20/2009	22.65	0	0	22.65	1.33	0	0.06	0	1.98	0.90	4.26	4.26
6/21/2009	22.28	0	0	22.28	1.84	0	0.07	0	3.21	0.83	5.95	2.44
6/22/2009	19.16	0	0	19.16	0.92	0	0.05	0	0.88	0.84	2.70	3.61
6/23/2009	24.8	0	0	24.8	1.83	0	0.08	0	2.66	0.84	5.40	4.58
6/24/2009	22.48	0	0	22.48	1.59	0	0.06	0	3.06	0.84	5.55	3.74
6/25/2009	23.69	0	0	23.69	1.97	0	0.07	0	3.95	0.78	6.77	3.43

6/26/2009	23.61	0	0	23.61	2.09	0	0.08	0	4.07	0.93	7.16	3.2
6/27/2009	26.4	0	0	26.4	2.81	0	0.10	0	5.90	0.95	9.76	3.74
6/28/2009	26.68	0	0	26.68	2.94	0	0.11	0	5.85	0.92	9.81	4.09
6/29/2009	20.79	0	0	20.79	2.08	0	0.12	0	1.48	0.95	4.63	3.27
6/30/2009	26.79	0	0	26.79	3.22	0	0.11	0	6.49	1.01	10.83	3.74
7/1/2009	28.04	0	0	28.04	3.58	0	0.12	0	7.51	1.07	12.28	3.43
7/2/2009	26.75	0	0	26.75	2.40	0	0.08	0	5.11	1.08	8.67	5.44
7/3/2009	26.21	0	0	26.21	2.86	0	0.10	0	6.07	1.15	10.19	3.77
7/4/2009	25.21	0	0	25.21	2.87	0	0.09	0	6.24	1.23	10.43	3.72
7/5/2009	23.84	0	0	23.84	2.11	0	0.07	0	4.75	1.02	7.95	3.79
7/6/2009	19.36	0	0	19.36	1.30	0	0.06	0	1.73	0.86	3.95	2.02
7/7/2009	27.73	0	0	27.73	3.18	0	0.11	0	6.56	0.86	10.72	4.33
7/8/2009	25.62	0	0	25.62	2.59	0	0.07	0	6.64	1.04	10.35	3.01
7/9/2009	26.12	0	0	26.12	2.21	0	0.07	0	5.15	0.92	8.35	5.15
7/10/2009	26.11	0	0	26.11	3.21	0	0.11	0	6.83	1.02	11.17	2.41
7/11/2009	27.39	0	0	27.39	2.52	0	0.06	0	6.56	1.09	10.23	4.84
7/12/2009	25.43	0	0	25.43	2.53	0	0.08	0	5.54	0.92	9.07	3.58
7/13/2009	19.95	0	0	19.95	0.95	0	0.05	0	0.96	0.83	2.79	2.84
7/14/2009	22.65	0	0	22.65	1.40	0	0.05	0	2.95	0.75	5.15	4.3
7/15/2009	26.01	0	0	26.01	2.63	0	0.08	0	6.11	0.91	9.73	3.81
7/16/2009	27.16	0	0	27.16	2.77	0	0.09	0	6.28	0.99	10.14	3.96
7/17/2009	23.01	0	0	23.01	1.22	0	0.03	0	3.01	1.02	5.29	4.1
7/18/2009	21.86	0	0	21.86	1.28	0	0.05	0	2.48	0.88	4.69	3.74
7/19/2009	23.1	0	0	23.1	2.10	0	0.07	0	4.49	1.02	7.68	2.51
7/20/2009	22.57	0	0	22.57	1.09	0	0.05	0	1.84	0.78	3.76	4.48
7/21/2009	20.06	0	0	20.06	1.26	0	0.00	0	3.32	0.68	5.26	3.37
7/22/2009	23.33	0	0	23.33	1.49	0	0.04	0	3.67	0.88	6.08	4.39
7/23/2009	22.32	0	0	22.32	1.46	0	0.05	0	3.19	0.90	5.60	3.52
7/24/2009	22.67	0	0	22.67	1.23	0	0.05	0	1.94	0.66	3.89	3.52
7/25/2009	22.57	0	0	22.57	1.38	0	0.05	0	2.64	0.85	4.93	3.89
7/26/2009	22.16	0	0	22.16	1.53	0	0.06	0	2.96	0.90	5.45	3.2
7/27/2009	19.25	0	0	19.25	0.49	0	0.02	0	0.67	0.87	2.05	4.34
7/28/2009	24.87	0	0	24.87	1.86	0	0.05	0	4.63	0.88	7.43	3.6
7/29/2009	21.91	0	0	21.91	1.20	0	0.04	0	2.37	0.71	4.33	3.47
7/30/2009	22.04	0	0	22.04	1.19	0	0.05	0	1.70	0.63	3.57	3.87
7/31/2009	19.3	0	0	19.3	0.22	0	0.00	0	0.57	0.68	1.47	3.46
8/1/2009	20.03	0	0	20.03	0.74	0	0.03	0	1.12	0.73	2.63	3.4

8/2/2009	20.66	0	0	20.66	0.91	0	0.04	0	1.61	0.80	3.36	3.08
8/3/2009	20.02	0	0	20.02	0.91	0	0.05	0	1.04	0.68	2.67	3.4
8/4/2009	21.1	0	0	21.1	1.21	0	0.07	0	1.07	0.76	3.11	3.89
8/5/2009	21.95	0	0	21.95	1.19	0	0.03	0	2.92	0.83	4.97	3.33
8/6/2009	20.4	0	0	20.4	0.55	0	0.03	0	0.74	0.58	1.89	4.05
8/7/2009	19.82	0	0	19.82	0.60	0	0.02	0	1.24	0.68	2.54	3.14
8/8/2009	22.71	0	0	22.71	1.93	0	0.07	0	3.82	0.91	6.73	2.49
8/9/2009	23.04	0	0	23.04	1.33	0	0.04	0	2.93	0.99	5.29	4.25
8/10/2009	21.74	0	0	21.74	1.03	0	0.05	0	1.58	0.98	3.64	4.31
8/11/2009	24.4	0	0.654	25.054	2.13	0	0.06	0	4.92	1.02	8.13	3.42
8/12/2009	22.75	0	0	22.75	1.42	0	0.04	0	3.25	0.89	5.61	3.72
8/13/2009	22.81	0	0	22.81	1.44	0	0.05	0	2.79	0.84	5.12	4.2
8/14/2009	23.56	0	0	23.56	1.86	0	0.06	0	4.07	0.89	6.87	3.1
8/15/2009	23.1	0	0	23.1	1.80	0	0.07	0	3.20	0.86	5.93	4.01
8/16/2009	21.98	0	0	21.98	1.55	0	0.05	0	3.14	0.83	5.57	2.45
8/17/2009	19.66	0	0	19.66	0.51	0	0.02	0	0.71	0.77	2.01	3.97
8/18/2009	23.12	0	0	23.12	1.50	0	0.05	0	3.07	0.94	5.56	3.5
8/19/2009	25.3	0	0	25.3	2.16	0	0.06	0	5.06	0.92	8.20	3.98
8/20/2009	23.65	0	0	23.65	1.50	0	0.05	0	3.48	0.88	5.91	3.69
8/21/2009	22.87	0	0	22.87	1.26	0	0.05	0	2.48	0.70	4.48	4.1
8/22/2009	23.25	0	0	23.25	1.49	0	0.06	0	2.82	0.69	5.06	3.82
8/23/2009	17.89	0	0	17.89	0.20	0	0.00	0	0.52	0.61	1.32	3.55
8/24/2009	20.32	0	0	20.32	0.59	0	0.03	0	0.76	0.65	2.03	4.07
8/25/2009	22.81	0	0	22.81	1.41	0	0.05	0	3.05	0.78	5.28	3.51
8/26/2009	26.09	0	0	26.09	2.63	0	0.08	0	5.83	0.82	9.36	3.45
8/27/2009	23.28	0	0	23.28	1.26	0	0.04	0	2.73	0.88	4.92	5.14
8/28/2009	23.42	0	0	23.42	1.23	0	0.03	0	3.11	0.84	5.20	4.35
8/29/2009	20.64	0	0	20.64	0.80	0	0.04	0	1.14	0.65	2.63	4.16
8/30/2009	22.44	0	0	22.44	1.73	0	0.06	0	3.46	0.70	5.95	2.74
8/31/2009	21.12	0	0	21.12	1.05	0	0.06	0	0.99	0.67	2.77	4.1
9/1/2009	18.98	0	0	18.98	0.20	0	0.00	0	0.51	0.59	1.30	4.77
9/2/2009	23.65	0	0	23.65	1.98	0	0.06	0	4.37	0.66	7.07	3.67
9/3/2009	23.75	0	0	23.75	1.66	0	0.06	0	3.53	0.76	6.00	4.6
9/4/2009	24.58	0	0	24.58	2.16	0	0.08	0	4.25	0.77	7.26	4.15
9/5/2009	23.95	0	0	23.95	2.18	0	0.06	0	5.17	0.84	8.26	3.51
9/6/2009	23.66	0	0	23.66	2.09	0	0.07	0	4.68	0.78	7.62	4.14
9/7/2009	18.03	0	0	18.03	0.52	0	0.03	0	0.66	0.72	1.92	3.6

9/8/2009	20.22	0	0	20.22	0.74	0	0.04	0	0.82	0.50	2.09	4.23
9/9/2009	22.74	0	0	22.74	1.72	0	0.06	0	3.30	0.74	5.82	3.83
9/10/2009	22.15	0	0	22.15	1.28	0	0.06	0	1.96	0.85	4.15	4.48
9/11/2009	22.69	0	0	22.69	1.52	0	0.05	0	3.01	0.90	5.48	3.85
9/12/2009	23.65	0	0	23.65	1.99	0	0.07	0	3.83	0.93	6.83	3.79
9/13/2009	24.53	0	0	24.53	2.02	0	0.07	0	4.10	0.89	7.09	4
9/14/2009	21.23	0	0	21.23	1.36	0	0.06	0	1.91	0.95	4.28	3.59
9/15/2009	24.91	0	0	24.91	2.12	0	0.08	0	3.95	0.94	7.09	4.84
9/16/2009	23.05	0	0	23.05	1.28	0	0.04	0	3.10	0.92	5.34	4.79
9/17/2009	20.15	0	0	20.15	0.61	0	0.03	0	0.83	0.91	2.37	3.79
9/18/2009	21.34	0	0	21.34	1.49	0	0.07	0	2.30	0.75	4.60	2.94
9/19/2009	20.53	0	0	20.53	0.86	0	0.04	0	1.31	0.81	3.02	3.95
9/20/2009	22.59	0	0	22.59	1.43	0	0.06	0	2.41	0.92	4.81	3.98
9/21/2009	22.28	0	0	22.28	0.99	0	0.06	0	0.83	0.93	2.80	9.31
9/22/2009	27.2	0	0	27.2	1.85	0	0.03	0	4.84	0.86	7.57	3.52
9/23/2009	21.48	0	0	21.48	0.38	0	0.01	0	0.72	0.70	1.82	3.53
9/24/2009	24.25	0	0	24.25	1.56	0	0.06	0	2.76	0.69	5.07	4.29
9/25/2009	20.61	0	0	20.61	0.62	0	0.02	0	1.38	0.79	2.81	3.34
9/26/2009	22.85	0	0	22.85	0.93	0	0.03	0	1.87	0.80	3.64	5.23
9/27/2009	20.13	0	0	20.13	0.66	0	0.03	0	0.95	0.71	2.35	2.89
9/28/2009	21.42	0	0	21.42	0.73	0	0.04	0	0.93	0.79	2.49	3.81
9/29/2009	23.12	0	0	23.12	0.99	0	0.03	0	2.12	0.77	3.91	4.55
9/30/2009	22.78	0	0	22.78	1.43	0	0.05	0	2.87	0.78	5.13	4.57
10/1/2009	22.78	0	0	22.78	1.31	0	0.05	0	2.39	0.87	4.62	4.57
10/2/2009	22.36	0	0	22.36	1.79	0	0.07	0	3.31	0.88	6.05	2.76
10/3/2009	23.33	0	0	23.33	1.55	0	0.05	0	3.22	0.96	5.79	3.8
10/4/2009	25.18	0	0	25.18	2.12	0	0.09	0	3.68	0.89	6.78	4.8
10/5/2009	20.4	0	0	20.4	0.51	0	0.02	0	0.72	0.91	2.17	4.37
10/6/2009	19.34	0	0	19.34	0.55	0	0.03	0	0.71	0.73	2.01	4.14
10/7/2009	22.9	0	0	22.9	1.36	0	0.05	0	2.41	0.72	4.54	4.93
10/8/2009	22.05	0	0	22.05	0.92	0	0.04	0	1.29	0.83	3.08	5.44
10/9/2009	21.53	0	0	21.53	0.96	0	0.04	0	1.59	0.88	3.47	4.27
10/10/2009	21.68	0	0	21.68	1.39	0	0.06	0	2.30	0.83	4.58	3.94
10/11/2009	21.64	0	0	21.64	1.10	0	0.05	0	1.74	0.79	3.68	4.17
10/12/2009	19.71	0	0	19.71	0.71	0	0.04	0	0.79	0.77	2.30	4.28
10/13/2009	20.89	0	0	20.89	1.41	0	0.08	0	1.20	0.55	3.24	2.66
10/14/2009	19.15	0	0	19.15	0.19	0	0.00	0	0.49	0.69	1.38	5.46

10/15/2009	18.76	0	0	18.76	0.63	0	0.03	0	0.75	0.64	2.05	3.43
10/16/2009	19.03	0	0	19.03	0.64	0	0.03	0	0.75	0.68	2.10	3.87
10/17/2009	19.41	0	0	19.41	0.76	0	0.04	0	0.81	0.68	2.28	4.09
10/18/2009	19.43	0	0	19.43	0.97	0	0.05	0	0.97	0.75	2.74	2.24
10/19/2009	20.27	0	0	20.27	0.60	0	0.03	0	0.74	0.70	2.07	5.1
10/20/2009	21.2	0	0	21.2	1.18	0	0.04	0	2.23	0.76	4.22	3.6
10/21/2009	20.99	0	0	20.99	1.33	0	0.05	0	2.39	0.76	4.54	3.22
10/22/2009	21.85	0	0	21.85	1.44	0	0.06	0	2.65	0.74	4.89	3.53
10/23/2009	23.61	0	0	23.61	1.50	0	0.06	0	2.87	0.80	5.24	4.73
10/24/2009	18.28	0	0	18.28	0.56	0	0.03	0	0.68	0.75	2.02	3.87
10/25/2009	19.2	0	0	19.2	0.22	0	0.01	0	0.56	0.66	1.44	3.57
10/26/2009	17.33	0	0	17.33	0.44	0	0.02	0	0.60	0.49	1.56	3.84
10/27/2009	18.08	0	0	18.08	0.42	0	0.02	0	0.65	0.69	1.78	2.93
10/28/2009	19.72	0	0	19.72	0.51	0	0.02	0	0.69	0.66	1.88	4.72
10/29/2009	18.34	0	0	18.34	0.66	0	0.03	0	0.77	0.67	2.12	3.05
10/30/2009	19.51	0	0	19.51	0.66	0	0.03	0	0.77	0.73	2.19	3.99
10/31/2009	18.64	0	0	18.64	0.41	0	0.02	0	0.62	0.68	1.73	3.91
11/1/2009	17.6	0	0	17.6	0.20	0	0.00	0	0.52	0.71	1.43	3.14
11/2/2009	18.48	0	0	18.48	0.41	0	0.02	0	0.59	0.62	1.64	4.86
11/3/2009	18.1	0	0	18.1	0.46	0	0.02	0	0.64	0.62	1.73	3.66
11/4/2009	18.37	0	0	18.37	0.56	0	0.03	0	0.81	0.66	2.06	3.01
11/5/2009	18.61	0	0	18.61	0.29	0	0.01	0	0.53	0.66	1.49	5.17
11/6/2009	19.15	0	0	19.15	0.67	0	0.03	0	0.95	0.62	2.27	3.26
11/7/2009	19.63	0	0	19.63	0.66	0	0.03	0	0.76	0.63	2.08	4.51
11/8/2009	18.93	0	0	18.93	0.67	0	0.03	0	0.99	0.69	2.38	2.85
11/9/2009	18.53	0	0	18.53	0.46	0	0.02	0	0.63	0.71	1.82	4.36
11/10/2009	18.51	0	0	18.51	0.20	0	0.01	0	0.53	0.68	1.41	3.74
11/11/2009	16.94	0	0	16.94	0.18	0	0.00	0	0.45	0.51	1.15	4.11
11/12/2009	17.52	0	0	17.52	0.19	0	0.01	0	0.48	0.47	1.15	3.97
11/13/2009	17.25	0	0	17.25	0.20	0	0.01	0	0.50	0.62	1.32	3.16
11/14/2009	16.8	0	0	16.8	0.19	0	0.00	0	0.47	0.61	1.26	3.69
11/15/2009	17.31	0	0	17.31	0.21	0	0.01	0	0.51	0.65	1.37	2.94
11/16/2009	18.65	0	0	18.65	1.55	0	0.00	0	4.08	0.17	5.81	4.7
11/17/2009	17.72	0	0	17.72	0.29	0	0.01	0	0.55	0.58	1.43	3.67
11/18/2009	17.2	0	0	17.2	0.23	0	0.01	0	0.52	0.56	1.31	3.1
11/19/2009	17.58	0	0	17.58	0.19	0	0.01	0	0.49	0.60	1.29	3.84
11/20/2009	17.66	0	0	17.66	0.25	0	0.01	0	0.51	0.47	1.23	4.09

11/21/2009	17.67	0	0	17.67	0.39	0	0.02	0	0.60	0.61	1.61	3.45
11/22/2009	17.61	0	0	17.61	0.25	0	0.01	0	0.52	0.23	1.01	3.52
11/23/2009	16.32	0	0	16.32	0.19	0	0.00	0	0.47	0.62	1.28	3.13
11/24/2009	17.64	0	0	17.64	0.19	0	0.01	0	0.47	0.61	1.28	4.23
11/25/2009	18.76	0	0	18.76	0.22	0	0.01	0	0.53	0.59	1.35	4.05
11/26/2009	16.25	0	0	16.25	0.28	0	0.01	0	0.49	0.60	1.38	3.77
11/27/2009	15.64	0	0	15.64	0.16	0	0.00	0	0.42	0.60	1.19	3.85
11/28/2009	16.44	0	0	16.44	0.25	0	0.01	0	0.49	0.62	1.37	3.37
11/29/2009	17.06	0	0	17.06	0.21	0	0.01	0	0.48	0.60	1.30	3.58
11/30/2009	17.85	0	0	17.85	0.46	0	0.02	0	0.63	0.53	1.64	3.49
12/1/2009	17.33	0	0	17.33	0.18	0	0.00	0	0.46	0.35	0.99	4.49
12/2/2009	16.7	0	0	16.7	0.21	0	0.01	0	0.48	0.36	1.05	2.81
12/3/2009	17.36	0	0	17.36	0.17	0	0.00	0	0.45	0.44	1.07	4.75
12/4/2009	17.89	0	0	17.89	0.20	0	0.01	0	0.47	0.56	1.23	4.47
12/5/2009	15.5	0	0	15.5	0.17	0	0.00	0	0.43	0.57	1.17	3.52
12/6/2009	17.11	0	0	17.11	0.19	0	0.01	0	0.47	0.60	1.26	3.77
12/7/2009	17.26	0	0	17.26	0.20	0	0.01	0	0.48	0.64	1.32	3.65
12/8/2009	16.37	0	0	16.37	0.17	0	0.00	0	0.45	0.59	1.22	3.76
12/9/2009	15.19	0	0	15.19	0.18	0	0.01	0	0.42	0.45	1.05	3.1
12/10/2009	16.09	0	0	16.09	0.18	0	0.00	0	0.46	0.55	1.19	3.19
12/11/2009	15.2	0	0	15.2	0.18	0	0.01	0	0.44	0.55	1.19	2.59
12/12/2009	17.01	0	0	17.01	0.18	0	0.00	0	0.46	0.56	1.21	4.06
12/13/2009	16.65	0	0	16.65	0.20	0	0.01	0	0.48	0.58	1.26	2.99
12/14/2009	16.44	0	0	16.44	0.24	0	0.01	0	0.50	0.58	1.32	2.65
12/15/2009	15.81	0	0	15.81	0.19	0	0.00	0	0.46	0.54	1.20	2.71
12/16/2009	15.82	0	0	15.82	0.18	0	0.00	0	0.46	0.56	1.20	2.91
12/17/2009	16.93	0	0	16.93	0.19	0	0.00	0	0.48	0.56	1.23	3.54
12/18/2009	15.52	0	0	15.52	0.19	0	0.01	0	0.47	0.56	1.22	2.27
12/19/2009	15.21	0	0	15.21	0.19	0	0.01	0	0.45	0.54	1.18	2.4
12/20/2009	15.08	0	0	15.08	0.18	0	0.01	0	0.45	0.55	1.19	2.34
12/21/2009	16.75	0	0	16.75	0.24	0	0.01	0	0.51	0.56	1.31	2.57
12/22/2009	16.01	0	0	16.01	0.17	0	0.00	0	0.44	0.55	1.17	3.67
12/23/2009	17.29	0	0	17.29	0.18	0	0.01	0	0.45	0.55	1.19	4.51
12/24/2009	15.89	0	0	15.89	0.19	0	0.01	0	0.46	0.59	1.25	2.76
12/25/2009	14.18	0	0	14.18	0.17	0	0.01	0	0.38	0.58	1.14	3.15
12/26/2009	15.26	0	0	15.26	0.17	0	0.00	0	0.43	0.58	1.19	3.23
12/27/2009	16	0	0	16	0.18	0	0.00	0	0.43	0.58	1.20	3.73

12/28/2009	15.47	0	0	15.47	0.18	0	0.00	0	0.44	0.58	1.21	3.02
12/29/2009	16.27	0	0	16.27	0.21	0	0.01	0	0.44	0.58	1.23	3.89
12/30/2009	14.55	0	0	14.55	0.18	0	0.00	0	0.46	0.58	1.21	1.82
12/31/2009	16.66	0	0	16.66	0.19	0	0.01	0	0.44	0.58	1.21	4.02

average	19.6	0.0	0.0	19.6	0.8	0.0	0.0	0.0	1.5	0.7	3.0	3.5
max	28.0	0.0	0.7	28.0	3.6	0.0	0.122	0.0	7.5	1.2	12.3	9.3
min	14.2	0.0	0.0	14.2	0.2	0.0	0.000	0.0	0.4	0.2	0.9	0.4

Average by Month

Jan-07	16.16	0.00	0.00	16.16	0.21	0.00	0.01	0.00	0.50	0.42	1.13	2.31
Feb-07	16.84	0.00	0.00	16.84	0.23	0.00	0.01	0.00	0.54	0.43	1.21	2.86
Mar-07	17.65	0.00	0.00	17.65	0.23	0.00	0.01	0.00	0.58	0.59	1.41	3.07
Apr-07	18.55	0.00	0.00	18.55	0.49	0.00	0.02	0.00	0.96	0.64	2.11	3.29
May-07	20.59	0.00	0.00	20.59	0.73	0.00	0.03	0.00	1.42	0.66	2.84	3.59
Jun-07	22.29	0.00	0.00	22.29	1.50	0.00	0.06	0.00	2.73	0.75	5.05	3.69
Jul-07	23.44	0.00	0.00	23.44	1.78	0.00	0.06	0.00	3.81	0.90	6.55	3.74
Aug-07	22.09	0.00	0.02	22.11	1.27	0.00	0.05	0.00	2.52	0.79	4.63	3.73
Sep-07	22.54	0.00	0.00	22.54	1.35	0.00	0.05	0.00	2.57	0.81	4.78	4.18
Oct-07	20.37	0.00	0.00	20.37	0.89	0.00	0.04	0.00	1.40	0.74	3.08	3.93
Nov-07	17.72	0.00	0.00	17.72	0.35	0.00	0.01	0.00	0.69	0.57	1.62	3.79
Dec-07	16.12	0.00	0.00	16.12	0.19	0.00	0.01	0.00	0.45	0.55	1.20	3.26

Discharged as Wastewater (mgd)			Total Returned/Used in Each Basin (mgd)				Net Basin Gain(+)/Loss(-) (mgd)			Interbasin Transfer (mgd)	
aw	Cape Fear	Neuse	Haw	Cape Fear	Neuse	Total- All Basins	Haw	Cape Fear	Neuse	Haw to Cape Fear	Haw to Neuse
WRF	WRF	Total WRFs									
0.98	0	9.41	4.28	0.00	10.23	14.52	-10.24	0.00	10.23	0.00	10.23
1.00	0	10.52	3.40	0.00	11.39	14.79	-11.39	0.00	11.39	0.00	11.39
1.11	0	11.09	3.09	0.00	11.97	15.06	-11.97	0.00	11.97	0.00	11.97
1.14	0	11.38	2.67	0.01	12.26	14.94	-12.27	0.01	12.26	0.01	12.26
1.07	0	10.95	5.25	0.00	11.83	17.09	-11.84	0.00	11.83	0.00	11.83
0.97	0	12.08	2.39	0.00	13.00	15.4	-13.01	0.00	13.00	0.00	13.00
1.08	0	11.01	3.08	0.00	11.89	14.97	-11.89	0.00	11.89	0.00	11.89
1.10	0	11.21	3.80	0.00	12.10	15.9	-12.10	0.00	12.10	0.00	12.10
1.24	0	12.15	2.68	0.00	13.08	15.77	-13.09	0.00	13.08	0.00	13.08
1.12	0	10.97	3.30	0.00	11.87	15.17	-11.87	0.00	11.87	0.00	11.87
1.20	0	11.10	2.92	0.00	11.97	14.89	-11.97	0.00	11.97	0.00	11.97
1.16	0	11.46	3.26	0.01	12.38	15.65	-12.39	0.01	12.38	0.01	12.38
1.07	0	11.24	3.44	0.00	12.13	15.57	-12.13	0.00	12.13	0.00	12.13
1.24	0	11.94	3.12	0.00	12.86	15.98	-12.86	0.00	12.86	0.00	12.86
1.22	0	11.82	3.88	0.00	12.76	16.64	-12.76	0.00	12.76	0.00	12.76
1.04	0	11.08	4.29	0.01	11.98	16.28	-11.99	0.01	11.98	0.01	11.98
1.19	0	11.50	1.74	0.00	12.42	14.16	-12.42	0.00	12.42	0.00	12.42
1.22	0	11.79	4.38	0.01	12.71	17.09	-12.71	0.01	12.71	0.01	12.71
1.26	0	11.91	3.64	0.00	12.84	16.48	-12.84	0.00	12.84	0.00	12.84
1.14	0	11.24	5.09	0.01	12.20	17.3	-12.21	0.01	12.20	0.01	12.20
1.13	0	10.66	2.84	0.00	11.53	14.37	-11.53	0.00	11.53	0.00	11.53
1.16	0	11.84	2.93	0.00	12.77	15.71	-12.78	0.00	12.77	0.00	12.77
1.14	0	11.88	5.06	0.00	12.85	17.91	-12.85	0.00	12.85	0.00	12.85
1.25	0	12.39	3.89	0.01	13.36	17.25	-13.36	0.01	13.36	0.01	13.36
1.26	0	12.50	4.59	0.01	13.50	18.1	-13.51	0.01	13.50	0.01	13.50
1.13	0	11.43	5.11	0.01	12.41	17.52	-12.41	0.01	12.41	0.01	12.41
1.09	0	10.99	4.16	0.01	12.02	16.19	-12.03	0.01	12.02	0.01	12.02
1.28	0	12.18	2.63	0.00	13.13	15.77	-13.14	0.00	13.13	0.00	13.13

1.22	0	11.85	4.97	0.01	12.78	17.75	-12.78	0.01	12.78	0.01	12.78
1.23	0	12.42	4.38	0.01	13.40	17.79	-13.41	0.01	13.40	0.01	13.40
1.22	0	11.92	3.41	0.01	12.86	16.27	-12.86	0.01	12.86	0.01	12.86
1.22	0	11.75	4.43	0.01	12.68	17.11	-12.68	0.01	12.68	0.01	12.68
1.20	0	12.03	4.24	0.00	13.00	17.25	-13.01	0.00	13.00	0.00	13.00
1.08	0	11.93	4.44	0.00	12.88	17.32	-12.88	0.00	12.88	0.00	12.88
1.12	0	10.95	4.38	0.00	11.88	16.26	-11.88	0.00	11.88	0.00	11.88
1.12	0	10.93	3.97	0.00	11.86	15.83	-11.86	0.00	11.86	0.00	11.86
1.20	0	11.52	4.34	0.00	12.46	16.81	-12.47	0.00	12.46	0.00	12.46
1.22	0	11.52	5.08	0.00	12.46	17.54	-12.46	0.00	12.46	0.00	12.46
1.29	0	11.63	3.58	0.01	12.59	16.18	-12.60	0.01	12.59	0.01	12.59
1.30	0	11.69	4.34	0.01	12.70	17.05	-12.71	0.01	12.70	0.01	12.70
1.21	0	11.45	4.10	0.00	12.43	16.53	-12.43	0.00	12.43	0.00	12.43
1.31	0	11.82	4.04	0.00	12.86	16.91	-12.87	0.00	12.86	0.00	12.86
1.28	0	11.85	4.91	0.01	12.95	17.86	-12.95	0.01	12.95	0.01	12.95
1.29	0	12.04	4.80	0.01	13.15	17.96	-13.16	0.01	13.15	0.01	13.15
1.18	0	11.32	3.82	0.01	12.33	16.15	-12.33	0.01	12.33	0.01	12.33
1.25	0	11.46	3.86	0.01	12.45	16.32	-12.46	0.01	12.45	0.01	12.45
1.20	0	11.78	4.92	0.00	12.95	17.87	-12.95	0.00	12.95	0.00	12.95
1.24	0	12.43	4.62	0.01	13.21	17.84	-13.22	0.01	13.21	0.01	13.21
1.27	0	12.60	3.91	0.00	13.39	17.31	-13.40	0.00	13.39	0.00	13.39
1.26	0	12.31	5.09	0.00	13.07	18.17	-13.08	0.00	13.07	0.00	13.07
1.25	0	12.54	4.97	0.01	13.36	18.33	-13.36	0.01	13.36	0.01	13.36
1.12	0	10.95	3.67	0.00	11.65	15.33	-11.66	0.00	11.65	0.00	11.65
1.15	0	10.94	4.40	0.01	11.62	16.03	-11.63	0.01	11.62	0.01	11.62
1.07	0	10.70	4.69	0.01	11.91	16.6	-11.91	0.01	11.91	0.01	11.91
1.14	0	11.17	3.56	0.02	12.46	16.04	-12.48	0.02	12.46	0.02	12.46
1.11	0	11.25	4.25	0.00	12.36	16.61	-12.36	0.00	12.36	0.00	12.36
1.13	0	11.21	3.62	0.00	12.28	15.9	-12.28	0.00	12.28	0.00	12.28
1.08	0	11.13	4.56	0.01	12.20	16.77	-12.21	0.01	12.20	0.01	12.20
1.07	0	11.22	2.91	0.00	12.27	15.18	-12.27	0.00	12.27	0.00	12.27
1.04	0	12.09	4.52	0.00	13.08	17.6	-13.08	0.00	13.08	0.00	13.08
0.97	0	11.06	4.74	0.00	12.08	16.83	-12.09	0.00	12.08	0.00	12.08
0.95	0	10.66	4.39	0.00	11.66	16.06	-11.67	0.00	11.66	0.00	11.66
1.09	0	12.01	3.53	0.01	13.18	16.72	-13.19	0.01	13.18	0.01	13.18
1.21	0	12.77	3.89	0.01	14.02	17.91	-14.02	0.01	14.02	0.01	14.02
1.29	0	13.49	5.74	0.01	14.82	20.56	-14.82	0.01	14.82	0.01	14.82

1.28	0	12.91	3.25	0.01	14.20	17.45	-14.20	0.01	14.20	0.01	14.20
1.37	0	12.38	3.49	0.01	13.68	17.18	-13.69	0.01	13.68	0.01	13.68
1.23	0	12.35	6.53	0.01	13.72	20.26	-13.73	0.01	13.72	0.01	13.72
1.25	0	12.40	5.54	0.02	13.78	19.33	-13.79	0.02	13.78	0.02	13.78
1.40	0	12.60	4.45	0.01	13.80	18.25	-13.80	0.01	13.80	0.01	13.80
1.25	0	12.19	3.54	0.01	13.39	16.94	-13.40	0.01	13.39	0.01	13.39
0.96	0	11.72	4.51	0.01	12.77	17.28	-12.77	0.01	12.77	0.01	12.77
1.08	0	11.04	4.35	0.00	12.09	16.44	-12.09	0.00	12.09	0.00	12.09
1.25	0	11.93	4.39	0.01	13.03	17.42	-13.03	0.01	13.03	0.01	13.03
1.16	0	12.35	4.67	0.01	13.45	18.13	-13.46	0.01	13.45	0.01	13.45
1.11	0	12.05	5.20	0.00	13.14	18.34	-13.14	0.00	13.14	0.00	13.14
1.21	0	11.88	4.21	0.00	13.05	17.26	-13.05	0.00	13.05	0.00	13.05
1.22	0	12.24	4.40	0.00	13.48	17.88	-13.48	0.00	13.48	0.00	13.48
1.13	0	11.48	4.73	0.00	12.60	17.34	-12.61	0.00	12.60	0.00	12.60
1.17	0	11.66	4.58	0.01	12.81	17.4	-12.82	0.01	12.81	0.01	12.81
1.31	0	12.01	4.20	0.01	13.22	17.43	-13.23	0.01	13.22	0.01	13.22
1.17	0	12.12	4.80	0.00	13.36	18.16	-13.36	0.00	13.36	0.00	13.36
1.24	0	12.09	4.74	0.01	13.34	18.08	-13.34	0.01	13.34	0.01	13.34
1.24	0	12.15	4.89	0.00	13.28	18.17	-13.28	0.00	13.28	0.00	13.28
1.23	0	12.53	3.29	0.00	13.71	17	-13.71	0.00	13.71	0.00	13.71
1.07	0	11.18	5.43	0.00	12.28	17.71	-12.28	0.00	12.28	0.00	12.28
0.99	0	11.49	3.85	0.00	12.63	16.48	-12.63	0.00	12.63	0.00	12.63
1.11	0	12.16	3.99	0.01	13.30	17.3	-13.31	0.01	13.30	0.01	13.30
1.14	0	11.86	5.19	0.00	13.02	18.21	-13.02	0.00	13.02	0.00	13.02
1.16	0	11.52	5.24	0.00	12.65	17.89	-12.65	0.00	12.65	0.00	12.65
1.24	0	11.70	3.03	0.00	12.84	15.87	-12.84	0.00	12.84	0.00	12.84
1.13	0	11.63	3.75	0.01	12.74	16.49	-12.74	0.01	12.74	0.01	12.74
1.14	0	12.14	6.00	0.00	13.30	19.3	-13.30	0.00	13.30	0.00	13.30
1.17	0	11.95	4.78	0.00	13.11	17.9	-13.12	0.00	13.11	0.00	13.11
1.14	0	11.09	2.56	0.01	12.20	14.77	-12.21	0.01	12.20	0.01	12.20
1.12	0	11.42	5.73	0.00	12.55	18.28	-12.55	0.00	12.55	0.00	12.55
1.18	0	11.81	4.67	0.00	12.94	17.61	-12.94	0.00	12.94	0.00	12.94
1.16	0	10.93	4.46	0.00	12.06	16.52	-12.06	0.00	12.06	0.00	12.06
1.14	0	11.51	4.28	0.00	12.68	16.96	-12.68	0.00	12.68	0.00	12.68
1.09	0	11.36	4.78	0.01	12.53	17.31	-12.53	0.01	12.53	0.01	12.53
1.06	0	11.13	4.35	0.00	12.25	16.6	-12.25	0.00	12.25	0.00	12.25
1.09	0	10.74	4.70	0.01	11.91	16.63	-11.93	0.01	11.91	0.01	11.91

1.08	0	10.99	4.64	0.00	12.13	16.78	-12.14	0.00	12.13	0.00	12.13
1.13	0	11.68	4.26	0.01	12.80	17.06	-12.80	0.01	12.80	0.01	12.80
1.19	0	11.02	5.00	0.00	12.10	17.11	-12.11	0.00	12.10	0.00	12.10
1.16	0	11.68	4.37	0.01	12.79	17.17	-12.80	0.01	12.79	0.01	12.79
1.19	0	12.16	4.43	0.02	13.36	17.8	-13.37	0.02	13.36	0.02	13.36
1.28	0	12.85	5.13	0.02	14.10	19.25	-14.12	0.02	14.10	0.02	14.10
1.22	0	12.01	5.12	0.01	13.19	18.32	-13.20	0.01	13.19	0.01	13.19
1.09	0	11.21	4.91	0.00	12.21	17.13	-12.22	0.00	12.21	0.00	12.21
1.05	0	11.66	4.46	0.01	12.81	17.28	-12.82	0.01	12.81	0.01	12.81
1.30	0	12.23	5.52	0.02	13.41	18.94	-13.42	0.02	13.41	0.02	13.41
1.24	0	12.18	3.66	0.03	13.50	17.18	-13.52	0.03	13.50	0.03	13.50
1.24	0	12.80	6.45	0.03	14.23	20.71	-14.26	0.03	14.23	0.03	14.23
1.30	0	12.83	4.31	0.05	15.70	20.06	-15.75	0.05	15.70	0.05	15.70
1.37	0	13.22	6.20	0.05	16.06	22.3	-16.10	0.05	16.06	0.05	16.06
1.38	0	13.04	5.28	0.05	15.40	20.73	-15.45	0.05	15.40	0.05	15.40
1.32	0	12.81	6.32	0.05	16.18	22.55	-16.23	0.05	16.18	0.05	16.18
1.35	0	12.70	6.92	0.03	16.24	23.19	-16.27	0.03	16.24	0.03	16.24
1.34	0	12.57	6.84	0.05	15.70	22.59	-15.75	0.05	15.70	0.05	15.70
1.31	0	13.22	5.64	0.05	16.23	21.92	-16.28	0.05	16.23	0.05	16.23
1.33	0	12.77	6.34	0.03	15.88	22.25	-15.91	0.03	15.88	0.03	15.88
1.52	0	12.75	5.69	0.04	16.10	21.83	-16.14	0.04	16.10	0.04	16.10
1.32	0	12.84	5.71	0.03	14.37	20.11	-14.40	0.03	14.37	0.03	14.37
1.23	0	12.56	5.42	0.01	13.73	19.15	-13.73	0.01	13.73	0.01	13.73
1.40	0	12.81	5.00	0.02	14.07	19.09	-14.09	0.02	14.07	0.02	14.07
1.47	0	12.60	5.66	0.02	13.86	19.54	-13.88	0.02	13.86	0.02	13.86
1.38	0	13.09	5.31	0.01	14.41	19.74	-14.43	0.01	14.41	0.01	14.41
1.39	0	13.12	5.36	0.03	15.11	20.49	-15.13	0.03	15.11	0.03	15.11
1.41	0	13.03	5.71	0.03	14.62	20.36	-14.65	0.03	14.62	0.03	14.62
1.27	0	12.09	5.40	0.02	13.41	18.82	-13.42	0.02	13.41	0.02	13.41
1.40	0	13.01	4.74	0.03	14.51	19.27	-14.53	0.03	14.51	0.03	14.51
1.37	0	12.21	6.33	0.03	14.95	21.31	-14.98	0.03	14.95	0.03	14.95
1.39	0	12.86	6.28	0.03	14.83	21.14	-14.86	0.03	14.83	0.03	14.83
1.39	0	12.62	4.83	0.04	14.87	19.73	-14.90	0.04	14.87	0.04	14.87
1.40	0	12.57	5.36	0.04	15.18	20.57	-15.21	0.04	15.18	0.04	15.18
1.44	0	13.56	6.35	0.02	14.83	21.19	-14.84	0.02	14.83	0.02	14.83
1.27	0	11.97	5.05	0.01	13.09	18.16	-13.11	0.01	13.09	0.01	13.09
1.37	0	12.57	6.22	0.04	14.96	21.22	-15.00	0.04	14.96	0.04	14.96

1.35	0	12.64	5.29	0.03	15.30	20.62	-15.33	0.03	15.30	0.03	15.30
1.31	0	13.46	5.84	0.01	16.36	22.21	-16.37	0.01	16.36	0.01	16.36
1.27	0	13.45	7.10	0.01	16.45	23.55	-16.45	0.01	16.45	0.01	16.45
1.22	0	12.94	6.40	0.01	16.55	22.96	-16.56	0.01	16.55	0.01	16.55
1.23	0	12.70	5.17	0.01	15.53	20.7	-15.53	0.01	15.53	0.01	15.53
1.24	0	12.38	5.44	0.01	13.47	18.91	-13.47	0.01	13.47	0.01	13.47
1.40	0	13.45	4.56	0.04	14.83	19.43	-14.87	0.04	14.83	0.04	14.83
1.35	0	12.08	7.43	0.02	14.11	21.56	-14.13	0.02	14.11	0.02	14.11
1.41	0	13.54	4.72	0.02	15.48	20.22	-15.50	0.02	15.48	0.02	15.48
1.37	0	13.13	5.92	0.02	14.47	20.41	-14.49	0.02	14.47	0.02	14.47
1.39	0	12.48	5.98	0.06	15.30	21.33	-15.35	0.06	15.30	0.06	15.30
1.51	0	12.39	5.90	0.05	15.80	21.76	-15.86	0.05	15.80	0.05	15.80
1.42	0	12.88	5.94	0.05	14.62	20.61	-14.67	0.05	14.62	0.05	14.62
1.37	0	12.14	7.32	0.11	16.85	24.28	-16.96	0.11	16.85	0.11	16.85
1.38	0	11.68	7.81	0.06	17.34	25.21	-17.40	0.06	17.34	0.06	17.34
1.42	0	12.85	7.13	0.05	17.50	24.68	-17.55	0.05	17.50	0.05	17.50
1.08	0	10.95	5.53	0.00	11.93	17.46	-11.93	0.00	11.93	0.00	11.93
1.39	0	12.58	4.94	0.01	13.72	18.67	-13.73	0.01	13.72	0.01	13.72
1.54	0	13.02	5.34	0.04	15.39	20.77	-15.43	0.04	15.39	0.04	15.39
1.41	0	12.54	7.37	0.03	13.98	21.38	-14.01	0.03	13.98	0.03	13.98
1.32	0	12.95	5.50	0.06	17.26	22.82	-17.32	0.06	17.26	0.06	17.26
1.27	0	12.24	6.74	0.07	13.75	20.56	-13.82	0.07	13.75	0.07	13.75
1.32	0	12.94	5.60	0.03	14.23	19.86	-14.26	0.03	14.23	0.03	14.23
1.36	0	12.82	6.44	0.02	16.26	22.72	-16.28	0.02	16.26	0.02	16.26
1.33	0	12.54	6.04	0.04	16.35	22.43	-16.39	0.04	16.35	0.04	16.35
1.36	0	12.29	6.91	0.06	17.20	24.18	-17.27	0.06	17.20	0.06	17.20
1.19	0	11.48	5.57	0.03	12.90	18.5	-12.93	0.03	12.90	0.03	12.90
1.28	0	13.97	5.24	0.01	15.23	20.48	-15.24	0.01	15.23	0.01	15.23
1.27	0	13.41	3.79	0.02	14.58	18.39	-14.60	0.02	14.58	0.02	14.58
1.07	0	10.74	5.02	0.01	11.66	16.68	-11.66	0.01	11.66	0.01	11.66
1.36	0	12.80	7.52	0.06	14.53	22.11	-14.59	0.06	14.53	0.06	14.53
1.43	0	12.71	7.01	0.06	15.58	22.65	-15.64	0.06	15.58	0.06	15.58
1.41	0	12.48	5.69	0.07	16.52	22.28	-16.59	0.07	16.52	0.07	16.52
1.28	0	11.57	5.81	0.05	13.30	19.16	-13.35	0.05	13.30	0.05	13.30
1.36	0	13.45	7.77	0.08	16.95	24.8	-17.03	0.08	16.95	0.08	16.95
1.37	0	11.82	6.70	0.06	15.72	22.48	-15.78	0.06	15.72	0.06	15.72
1.37	0	12.12	6.77	0.07	16.85	23.69	-16.92	0.07	16.85	0.07	16.85

1.33	0	11.92	6.61	0.08	16.92	23.61	-17.00	0.08	16.92	0.08	16.92
1.30	0	11.60	7.85	0.10	18.45	26.4	-18.55	0.10	18.45	0.10	18.45
1.31	0	11.47	8.34	0.11	18.23	26.68	-18.34	0.11	18.23	0.11	18.23
1.25	0	11.64	6.61	0.12	14.06	20.79	-14.18	0.12	14.06	0.12	14.06
1.23	0	10.99	8.19	0.11	18.49	26.79	-18.60	0.11	18.49	0.11	18.49
1.25	0	11.08	8.26	0.12	19.66	28.04	-19.78	0.12	19.66	0.12	19.66
1.23	0	11.41	9.07	0.08	17.60	26.75	-17.68	0.08	17.60	0.08	17.60
1.16	0	11.10	7.79	0.10	18.32	26.21	-18.42	0.10	18.32	0.10	18.32
1.11	0	9.96	7.69	0.09	17.42	25.21	-17.52	0.09	17.42	0.09	17.42
1.25	0	10.85	7.15	0.07	16.63	23.84	-16.69	0.07	16.63	0.07	16.63
1.33	0	12.07	4.64	0.06	14.66	19.36	-14.72	0.06	14.66	0.06	14.66
1.27	0	11.41	8.78	0.11	18.84	27.73	-18.95	0.11	18.84	0.11	18.84
1.22	0	11.05	6.82	0.07	18.74	25.62	-18.80	0.07	18.74	0.07	18.74
1.21	0	11.41	8.57	0.07	17.48	26.12	-17.55	0.07	17.48	0.07	17.48
1.22	0	11.30	6.85	0.11	19.16	26.11	-19.26	0.11	19.16	0.11	19.16
1.22	0	11.11	8.57	0.06	18.75	27.39	-18.82	0.06	18.75	0.06	18.75
1.32	0	11.46	7.43	0.08	17.92	25.43	-18.00	0.08	17.92	0.08	17.92
1.31	0	13.01	5.11	0.05	14.79	19.95	-14.84	0.05	14.79	0.05	14.79
1.25	0	11.96	6.94	0.05	15.66	22.65	-15.71	0.05	15.66	0.05	15.66
1.25	0	11.22	7.69	0.08	18.24	26.01	-18.32	0.08	18.24	0.08	18.24
1.30	0	11.76	8.03	0.09	19.04	27.16	-19.13	0.09	19.04	0.09	19.04
1.29	0	12.33	6.61	0.03	16.37	23.01	-16.40	0.03	16.37	0.03	16.37
1.28	0	12.16	6.30	0.05	15.51	21.86	-15.56	0.05	15.51	0.05	15.51
1.28	0	11.64	5.89	0.07	17.14	23.1	-17.21	0.07	17.14	0.07	17.14
1.32	0	13.01	6.90	0.05	15.63	22.57	-15.67	0.05	15.63	0.05	15.63
1.13	0	10.30	5.76	0.00	14.30	20.06	-14.30	0.00	14.30	0.00	14.30
1.27	0	11.59	7.15	0.04	16.14	23.33	-16.18	0.04	16.14	0.04	16.14
1.27	0	11.93	6.25	0.05	16.03	22.32	-16.07	0.05	16.03	0.05	16.03
1.41	0	13.85	6.16	0.05	16.45	22.67	-16.51	0.05	16.45	0.05	16.45
1.31	0	12.44	6.58	0.05	15.94	22.57	-15.99	0.05	15.94	0.05	15.94
1.32	0	12.19	6.05	0.06	16.05	22.16	-16.11	0.06	16.05	0.06	16.05
1.21	0	11.64	6.04	0.02	13.19	19.25	-13.21	0.02	13.19	0.02	13.19
1.28	0	12.56	6.75	0.05	18.07	24.87	-18.12	0.05	18.07	0.05	18.07
1.35	0	12.76	6.03	0.04	15.84	21.91	-15.88	0.04	15.84	0.04	15.84
1.37	0	13.23	6.42	0.05	15.56	22.04	-15.62	0.05	15.56	0.05	15.56
1.28	0	13.09	4.96	0.00	14.34	19.3	-14.34	0.00	14.34	0.00	14.34
1.32	0	12.68	5.46	0.03	14.54	20.03	-14.57	0.03	14.54	0.03	14.54

1.32	0	12.90	5.31	0.04	15.31	20.66	-15.35	0.04	15.31	0.04	15.31
1.42	0	12.53	5.72	0.05	14.25	20.02	-14.30	0.05	14.25	0.05	14.25
1.40	0	12.70	6.50	0.07	14.53	21.1	-14.60	0.07	14.53	0.07	14.53
1.38	0	12.28	5.89	0.03	16.02	21.95	-16.06	0.03	16.02	0.03	16.02
1.29	0	13.17	5.89	0.03	14.49	20.4	-14.51	0.03	14.49	0.03	14.49
1.45	0	12.69	5.19	0.02	14.61	19.82	-14.63	0.02	14.61	0.02	14.61
1.32	0	12.16	5.74	0.07	16.90	22.71	-16.97	0.07	16.90	0.07	16.90
1.32	0	12.18	6.90	0.04	16.10	23.04	-16.14	0.04	16.10	0.04	16.10
1.37	0	12.42	6.71	0.05	14.98	21.74	-15.03	0.05	14.98	0.05	14.98
1.38	0	12.12	6.94	0.06	18.05	25.054	-17.46	0.06	17.40	0.06	17.40
1.38	0	12.05	6.52	0.04	16.19	22.75	-16.23	0.04	16.19	0.04	16.19
1.35	0	12.15	6.99	0.05	15.77	22.81	-15.82	0.05	15.77	0.05	15.77
1.33	0	12.25	6.29	0.06	17.21	23.56	-17.27	0.06	17.21	0.06	17.21
1.31	0	11.85	7.12	0.07	15.91	23.1	-15.98	0.07	15.91	0.07	15.91
1.36	0	12.60	5.36	0.05	16.57	21.98	-16.62	0.05	16.57	0.05	16.57
1.43	0	12.25	5.91	0.02	13.72	19.66	-13.75	0.02	13.72	0.02	13.72
1.41	0	12.65	6.41	0.05	16.66	23.12	-16.71	0.05	16.66	0.05	16.66
1.35	0	11.77	7.49	0.06	17.74	25.3	-17.81	0.06	17.74	0.06	17.74
1.36	0	12.68	6.56	0.05	17.05	23.65	-17.09	0.05	17.05	0.05	17.05
1.45	0	12.83	6.81	0.05	16.01	22.87	-16.06	0.05	16.01	0.05	16.01
1.39	0	12.98	6.70	0.06	16.49	23.25	-16.55	0.06	16.49	0.06	16.49
1.28	0	11.74	5.03	0.00	12.86	17.89	-12.86	0.00	12.86	0.00	12.86
1.45	0	12.77	6.11	0.03	14.18	20.32	-14.21	0.03	14.18	0.03	14.18
1.43	0	12.58	6.35	0.05	16.42	22.81	-16.46	0.05	16.42	0.05	16.42
1.39	0	11.89	7.47	0.08	18.54	26.09	-18.62	0.08	18.54	0.08	18.54
1.34	0	11.88	7.74	0.04	15.49	23.28	-15.54	0.04	15.49	0.04	15.49
1.35	0	12.52	6.93	0.03	16.46	23.42	-16.49	0.03	16.46	0.03	16.46
1.39	0	12.46	6.35	0.04	14.25	20.64	-14.29	0.04	14.25	0.04	14.25
1.40	0	12.35	5.87	0.06	16.51	22.44	-16.57	0.06	16.51	0.06	16.51
1.43	0	12.82	6.58	0.06	14.48	21.12	-14.54	0.06	14.48	0.06	14.48
1.26	0	11.65	6.23	0.00	12.75	18.98	-12.75	0.00	12.75	0.00	12.75
1.28	0	11.63	6.93	0.06	16.66	23.65	-16.72	0.06	16.66	0.06	16.66
1.36	0	11.79	7.62	0.06	16.08	23.75	-16.13	0.06	16.08	0.06	16.08
1.34	0	11.83	7.64	0.08	16.86	24.58	-16.94	0.08	16.86	0.08	16.86
1.22	0	10.96	6.91	0.06	16.97	23.95	-17.04	0.06	16.97	0.06	16.97
1.21	0	10.69	7.44	0.07	16.16	23.66	-16.22	0.07	16.16	0.07	16.16
1.29	0	11.22	5.41	0.03	12.60	18.03	-12.62	0.03	12.60	0.03	12.60

1.38	0	12.52	6.35	0.04	13.84	20.22	-13.87	0.04	13.84	0.04	13.84
1.28	0	11.81	6.83	0.06	15.84	22.74	-15.91	0.06	15.84	0.06	15.84
1.40	0	12.13	7.16	0.06	14.94	22.15	-14.99	0.06	14.94	0.06	14.94
1.42	0	11.94	6.79	0.05	15.85	22.69	-15.90	0.05	15.85	0.05	15.85
1.33	0	11.70	7.12	0.07	16.46	23.65	-16.53	0.07	16.46	0.07	16.46
1.39	0	12.06	7.41	0.07	17.05	24.53	-17.12	0.07	17.05	0.07	17.05
1.38	0	11.98	6.33	0.06	14.84	21.23	-14.90	0.06	14.84	0.06	14.84
1.31	0	11.67	8.27	0.08	16.56	24.91	-16.64	0.08	16.56	0.08	16.56
1.29	0	11.63	7.36	0.04	15.66	23.05	-15.69	0.04	15.66	0.04	15.66
1.43	0	12.55	5.83	0.03	14.29	20.15	-14.32	0.03	14.29	0.03	14.29
1.41	0	12.39	5.84	0.07	15.43	21.34	-15.50	0.07	15.43	0.07	15.43
1.39	0	12.17	6.20	0.04	14.30	20.53	-14.33	0.04	14.30	0.04	14.30
1.41	0	12.38	6.82	0.06	15.71	22.59	-15.77	0.06	15.71	0.06	15.71
1.06	0	9.11	11.36	0.06	10.87	22.28	-10.92	0.06	10.87	0.06	10.87
1.60	0	14.51	6.96	0.03	20.21	27.2	-20.24	0.03	20.21	0.03	20.21
1.63	0	14.50	5.54	0.01	15.93	21.48	-15.94	0.01	15.93	0.01	15.93
1.48	0	13.41	7.33	0.06	16.85	24.25	-16.92	0.06	16.85	0.06	16.85
1.51	0	12.95	5.47	0.02	15.12	20.61	-15.14	0.02	15.12	0.02	15.12
1.43	0	12.55	7.59	0.03	15.23	22.85	-15.26	0.03	15.23	0.03	15.23
1.54	0	13.35	5.09	0.03	15.01	20.13	-15.04	0.03	15.01	0.03	15.01
1.52	0	13.60	6.06	0.04	15.32	21.42	-15.36	0.04	15.32	0.04	15.32
1.52	0	13.14	7.06	0.03	16.02	23.12	-16.06	0.03	16.02	0.03	16.02
1.34	0	11.74	7.33	0.05	15.40	22.78	-15.45	0.05	15.40	0.05	15.40
1.43	0	12.15	7.31	0.05	15.42	22.78	-15.47	0.05	15.42	0.05	15.42
1.39	0	12.15	5.94	0.07	16.35	22.36	-16.42	0.07	16.35	0.07	16.35
1.40	0	12.34	6.75	0.05	16.53	23.33	-16.58	0.05	16.53	0.05	16.53
1.44	0	12.16	8.36	0.09	16.74	25.18	-16.82	0.09	16.74	0.09	16.74
1.45	0	12.41	6.34	0.02	14.04	20.4	-14.06	0.02	14.04	0.02	14.04
1.36	0	11.83	6.05	0.03	13.27	19.34	-13.29	0.03	13.27	0.03	13.27
1.34	0	12.09	7.63	0.05	15.22	22.9	-15.27	0.05	15.22	0.05	15.22
1.41	0	12.12	7.77	0.04	14.24	22.05	-14.28	0.04	14.24	0.04	14.24
1.44	0	12.35	6.67	0.04	14.82	21.53	-14.86	0.04	14.82	0.04	14.82
1.34	0	11.82	6.68	0.06	14.95	21.68	-15.00	0.06	14.95	0.06	14.95
1.45	0	12.34	6.72	0.05	14.87	21.64	-14.92	0.05	14.87	0.05	14.87
1.40	0	11.73	6.39	0.04	13.28	19.71	-13.32	0.04	13.28	0.04	13.28
1.65	0	13.34	5.73	0.08	15.09	20.89	-15.16	0.08	15.09	0.08	15.09
1.36	0	10.95	7.01	0.00	12.14	19.15	-12.14	0.00	12.14	0.00	12.14

1.50	0	11.77	5.56	0.03	13.17	18.76	-13.20	0.03	13.17	0.03	13.17
1.46	0	11.60	5.97	0.03	13.03	19.03	-13.06	0.03	13.03	0.03	13.03
1.47	0	11.57	6.31	0.04	13.06	19.41	-13.10	0.04	13.06	0.04	13.06
1.63	0	12.82	4.84	0.05	14.54	19.43	-14.59	0.05	14.54	0.05	14.54
1.46	0	11.64	7.16	0.03	13.08	20.27	-13.11	0.03	13.08	0.03	13.08
1.42	0	11.96	6.20	0.04	14.96	21.2	-15.00	0.04	14.96	0.04	14.96
1.33	0	11.91	5.88	0.05	15.06	20.99	-15.11	0.05	15.06	0.05	15.06
1.36	0	12.07	6.33	0.06	15.46	21.85	-15.52	0.06	15.46	0.06	15.46
1.42	0	12.23	7.65	0.06	15.90	23.61	-15.96	0.06	15.90	0.06	15.90
1.27	0	11.13	5.69	0.03	12.56	18.28	-12.59	0.03	12.56	0.03	12.56
1.44	0	12.75	5.22	0.01	13.97	19.2	-13.98	0.01	13.97	0.01	13.97
1.23	0	10.70	5.52	0.02	11.79	17.33	-11.81	0.02	11.79	0.02	11.79
1.37	0	12.00	4.72	0.02	13.34	18.08	-13.36	0.02	13.34	0.02	13.34
1.31	0	11.81	6.54	0.02	13.15	19.72	-13.18	0.02	13.15	0.02	13.15
1.38	0	11.79	5.08	0.03	13.22	18.34	-13.26	0.03	13.22	0.03	13.22
1.38	0	11.95	6.03	0.03	13.45	19.51	-13.48	0.03	13.45	0.03	13.45
1.30	0	11.70	5.62	0.02	13.00	18.64	-13.02	0.02	13.00	0.02	13.00
1.36	0	11.67	4.70	0.00	12.89	17.6	-12.90	0.00	12.89	0.00	12.89
1.28	0	10.70	6.55	0.02	11.91	18.48	-11.93	0.02	11.91	0.02	11.91
1.28	0	11.43	5.40	0.02	12.68	18.1	-12.70	0.02	12.68	0.02	12.68
1.35	0	11.95	4.92	0.03	13.42	18.37	-13.45	0.03	13.42	0.03	13.42
1.22	0	10.73	6.67	0.01	11.93	18.61	-11.94	0.01	11.93	0.01	11.93
1.45	0	12.17	5.38	0.03	13.74	19.15	-13.77	0.03	13.74	0.03	13.74
1.33	0	11.71	6.51	0.03	13.09	19.63	-13.12	0.03	13.09	0.03	13.09
1.40	0	12.29	4.93	0.03	13.97	18.93	-14.00	0.03	13.97	0.03	13.97
1.26	0	11.09	6.08	0.02	12.43	18.53	-12.45	0.02	12.43	0.02	12.43
1.28	0	12.08	5.22	0.01	13.28	18.51	-13.29	0.01	13.28	0.01	13.28
1.18	0	10.50	5.47	0.00	11.46	16.94	-11.47	0.00	11.46	0.00	11.46
1.21	0	11.20	5.37	0.01	12.15	17.52	-12.15	0.01	12.15	0.01	12.15
1.30	0	11.47	4.65	0.01	12.59	17.25	-12.60	0.01	12.59	0.01	12.59
1.20	0	10.65	5.08	0.00	11.72	16.8	-11.72	0.00	11.72	0.00	11.72
1.31	0	11.69	4.46	0.01	12.85	17.31	-12.85	0.01	12.85	0.01	12.85
1.20	0	6.95	7.45	0.00	11.20	18.65	-11.20	0.00	11.20	0.00	11.20
1.27	0	11.35	5.23	0.01	12.48	17.72	-12.49	0.01	12.48	0.01	12.48
1.27	0	11.52	4.60	0.01	12.60	17.2	-12.60	0.01	12.60	0.01	12.60
1.24	0	11.21	5.27	0.01	12.31	17.58	-12.31	0.01	12.31	0.01	12.31
1.39	0	10.95	5.73	0.01	11.93	17.66	-11.93	0.01	11.93	0.01	11.93

1.34	0	11.27	5.18	0.02	12.47	17.67	-12.49	0.02	12.47	0.02	12.47
1.32	0	11.75	5.10	0.01	12.51	17.61	-12.51	0.01	12.51	0.01	12.51
1.19	0	10.72	4.51	0.00	11.81	16.32	-11.81	0.00	11.81	0.00	11.81
1.23	0	10.90	5.65	0.01	11.99	17.64	-11.99	0.01	11.99	0.01	11.99
1.34	0	12.02	5.61	0.01	13.14	18.76	-13.15	0.01	13.14	0.01	13.14
1.14	0	9.96	5.19	0.01	11.05	16.25	-11.06	0.01	11.05	0.01	11.05
1.08	0	9.52	5.09	0.00	10.54	15.64	-10.55	0.00	10.54	0.00	10.54
1.19	0	10.51	4.80	0.01	11.63	16.44	-11.64	0.01	11.63	0.01	11.63
1.24	0	10.95	5.03	0.01	12.03	17.06	-12.03	0.01	12.03	0.01	12.03
1.26	0	11.46	5.21	0.02	12.62	17.85	-12.64	0.02	12.62	0.02	12.62
1.13	0	10.72	5.80	0.00	11.53	17.33	-11.53	0.00	11.53	0.00	11.53
1.17	0	11.67	4.19	0.01	12.51	16.7	-12.51	0.01	12.51	0.01	12.51
1.11	0	10.43	6.04	0.00	11.32	17.36	-11.32	0.00	11.32	0.00	11.32
1.19	0	10.99	5.86	0.01	12.02	17.89	-12.03	0.01	12.02	0.01	12.02
1.06	0	9.75	4.75	0.00	10.75	15.5	-10.75	0.00	10.75	0.00	10.75
1.21	0	10.86	5.18	0.01	11.93	17.11	-11.93	0.01	11.93	0.01	11.93
1.24	0	11.04	5.09	0.01	12.16	17.26	-12.17	0.01	12.16	0.01	12.16
1.09	0	10.30	5.02	0.00	11.34	16.37	-11.35	0.00	11.34	0.00	11.34
1.05	0	9.98	4.33	0.01	10.85	15.19	-10.86	0.01	10.85	0.01	10.85
1.18	0	10.53	4.54	0.00	11.54	16.09	-11.55	0.00	11.54	0.00	11.54
1.18	0	10.25	3.95	0.01	11.25	15.2	-11.25	0.01	11.25	0.01	11.25
1.17	0	10.58	5.41	0.00	11.59	17.01	-11.60	0.00	11.59	0.00	11.59
1.21	0	11.18	4.40	0.01	12.25	16.65	-12.25	0.01	12.25	0.01	12.25
1.20	0	11.27	4.09	0.01	12.34	16.44	-12.35	0.01	12.34	0.01	12.34
1.14	0	10.76	4.03	0.00	11.77	15.81	-11.78	0.00	11.77	0.00	11.77
1.15	0	10.56	4.24	0.00	11.57	15.82	-11.58	0.00	11.57	0.00	11.57
1.25	0	10.91	4.98	0.00	11.95	16.93	-11.95	0.00	11.95	0.00	11.95
1.18	0	10.85	3.64	0.01	11.88	15.52	-11.88	0.01	11.88	0.01	11.88
1.14	0	10.49	3.73	0.01	11.48	15.21	-11.48	0.01	11.48	0.01	11.48
1.14	0	10.41	3.67	0.01	11.41	15.08	-11.41	0.01	11.41	0.01	11.41
1.25	0	11.61	4.06	0.01	12.68	16.75	-12.69	0.01	12.68	0.01	12.68
1.11	0	10.06	4.95	0.00	11.05	16.01	-11.06	0.00	11.05	0.00	11.05
1.14	0	10.45	5.84	0.01	11.45	17.29	-11.45	0.01	11.45	0.01	11.45
1.13	0	10.75	4.07	0.01	11.81	15.89	-11.82	0.01	11.81	0.01	11.81
0.95	0	8.94	4.27	0.01	9.90	14.18	-9.91	0.01	9.90	0.01	9.90
1.02	0	9.82	4.42	0.00	10.84	15.26	-10.84	0.00	10.84	0.00	10.84
1.08	0	9.99	4.99	0.00	11.01	16	-11.01	0.00	11.01	0.00	11.01

1.10	0	10.14	4.30	0.00	11.16	15.47	-11.17	0.00	11.16	0.00	11.16
1.12	0	10.03	5.21	0.01	11.05	16.27	-11.06	0.01	11.05	0.01	11.05
1.13	0	10.38	3.13	0.00	11.42	14.55	-11.42	0.00	11.42	0.00	11.42
1.11	0	10.32	5.31	0.01	11.34	16.66	-11.35	0.01	11.34	0.01	11.34

1.3	0.0	11.8	5.5	0.028	14.0	19.6	-14.1	0.028	14.0	0.028	14.0
1.7	0.0	14.5	11.4	0.122	20.2	28.0	-9.9	0.122	20.2	0.122	20.2
1.0	0.0	6.9	1.7	0.000	9.9	14.2	-20.2	0.000	9.9	0.000	9.9

1.16	0.00	11.56	3.67	0.01	12.48	16.16	-12.49	0.01	12.48	0.01	12.48
1.18	0.00	11.59	4.27	0.01	12.56	16.84	-12.57	0.01	12.56	0.01	12.56
1.18	0.00	12.00	4.48	0.01	13.17	17.65	-13.18	0.01	13.17	0.01	13.17
1.20	0.00	11.95	4.98	0.02	13.55	18.55	-13.57	0.02	13.55	0.02	13.55
1.36	0.00	12.79	5.69	0.03	14.87	20.59	-14.90	0.03	14.87	0.03	14.87
1.32	0.00	12.23	6.51	0.06	15.71	22.29	-15.77	0.06	15.71	0.06	15.71
1.27	0.00	11.89	6.79	0.06	16.59	23.44	-16.65	0.06	16.59	0.06	16.59
1.37	0.00	12.38	6.37	0.05	15.69	22.11	-15.72	0.05	15.67	0.05	15.67
1.39	0.00	12.20	6.91	0.05	15.58	22.54	-15.63	0.05	15.58	0.05	15.58
1.40	0.00	11.96	6.23	0.04	14.10	20.37	-14.14	0.04	14.10	0.04	14.10
1.26	0.00	11.05	5.40	0.01	12.30	17.72	-12.31	0.01	12.30	0.01	12.30
1.14	0.00	10.51	4.59	0.01	11.52	16.12	-11.53	0.01	11.52	0.01	11.52