

**Table 8.** Physical properties of sampling locations and chemical analyses of groundwater samples collected from multilevel diffusion chambers in and near a pond-bottom permeable reactive barrier, Ashumet Pond, Massachusetts, October 2004–August 2010.

[Easting and Northing: State plane coordinates are for North American Datum of 1983 (NAD83). Latitude and longitude in degrees (°), minutes ('), and seconds ("). DC, diffusion chamber; ft, foot; m, meter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligram per liter; <, actual value less than value shown; --, no data. Color codes: CL, clear; LO, light orange; O, orange; DO, dark orange; LG, light gray; G, gray. Locations of sites shown in figure 8]

Sample ID	Easting (m)	Northing (m)	Latitude (° ' ")	Longitude (° ' ")	Depth below pond bottom (ft)	Port altitude (ft)	Color of film on nylon mesh							
							10/27/04	7/21/05	08/22/06	07/12/07	08/20/08	08/17/09	08/04/10	
DC1-01	280034.752	820958.932	41 38 04.93	70 32 23.93	-0.05	42.72	CL	CL	CL	CL	CL	CL	CL	
DC1-02	280034.752	820958.932	41 38 04.93	70 32 23.93	0.12	42.55	CL	CL	CL	CL	CL	CL	CL	
DC1-03	280034.752	820958.932	41 38 04.93	70 32 23.93	0.29	42.38	CL	CL	CL	CL	CL	CL	CL	
DC1-04	280034.752	820958.932	41 38 04.93	70 32 23.93	0.46	42.21	CL	CL	CL	CL	CL	CL	CL	
DC1-05	280034.752	820958.932	41 38 04.93	70 32 23.93	0.63	42.04	CL	CL	CL	CL	CL	CL	CL	
DC1-06	280034.752	820958.932	41 38 04.93	70 32 23.93	0.80	41.87	CL	CL	CL	CL	CL	CL	CL	
DC1-07	280034.752	820958.932	41 38 04.93	70 32 23.93	0.97	41.70	CL	CL	CL	CL	CL	CL	CL	
DC1-08	280034.752	820958.932	41 38 04.93	70 32 23.93	1.14	41.53	CL	CL	CL	CL	CL	CL	CL	
DC1-09	280034.752	820958.932	41 38 04.93	70 32 23.93	1.31	41.36	CL	CL	CL	CL	CL	CL	CL	
DC1-10	280034.752	820958.932	41 38 04.93	70 32 23.93	1.64	41.03	CL	CL	CL	CL	CL	CL	CL	
DC1-11	280034.752	820958.932	41 38 04.93	70 32 23.93	1.97	40.70	CL	CL	CL	CL	CL	CL	CL	
DC1-12	280034.752	820958.932	41 38 04.93	70 32 23.93	2.30	40.37	CL	CL	CL	CL	CL	CL	CL	
DC1-13	280034.752	820958.932	41 38 04.93	70 32 23.93	2.63	40.04	CL	CL	CL	CL	CL	CL	CL	
DC2-01	280043.042	820967.112	41 38 05.19	70 32 23.57	0.16	43.06	LO	LO	O	CL	LO	CL	CL	
DC2-02	280043.042	820967.112	41 38 05.19	70 32 23.57	0.33	42.89	LO	LO	O	CL	LO	O	LO	
DC2-03	280043.042	820967.112	41 38 05.19	70 32 23.57	0.50	42.72	LO	LO	O	CL	LO	LO	LO	
DC2-04	280043.042	820967.112	41 38 05.19	70 32 23.57	0.67	42.55	LO	LO	O	CL	LO	LO	LO	
DC2-05	280043.042	820967.112	41 38 05.19	70 32 23.57	0.84	42.38	LO	LO	O	DO	LO	LO	LO	
DC2-06	280043.042	820967.112	41 38 05.19	70 32 23.57	1.01	42.21	LO	LO	O	DO	O	LO	LO	
DC2-07	280043.042	820967.112	41 38 05.19	70 32 23.57	1.18	42.04	LO	LO	O	DO	O	O	LO	
DC2-08	280043.042	820967.112	41 38 05.19	70 32 23.57	1.35	41.87	LO	LO	O	DO	O	DO	LO	
DC2-09	280043.042	820967.112	41 38 05.19	70 32 23.57	1.52	41.70	LO	LO	O	DO	DO	DO	LO	
DC2-10	280043.042	820967.112	41 38 05.19	70 32 23.57	1.85	41.37	LO	LO	O	CL	DO	DO	LO	
DC2-11	280043.042	820967.112	41 38 05.19	70 32 23.57	2.18	41.04	CL	CL	CL	CL	CL	CL	CL	
DC2-12	280043.042	820967.112	41 38 05.19	70 32 23.57	2.51	40.71	CL	CL	CL	CL	CL	CL	CL	
DC2-13	280043.042	820967.112	41 38 05.19	70 32 23.57	2.84	40.38	CL	CL	CL	CL	CL	CL	CL	
DC3-01	280053.382	820980.096	41 38 05.61	70 32 23.11	0.10	43.12	LO	O	G	LG	LO	LO	LO	
DC3-02	280053.382	820980.096	41 38 05.61	70 32 23.11	0.27	42.95	LO	O	G	LG	O	O	LO	
DC3-03	280053.382	820980.096	41 38 05.61	70 32 23.11	0.44	42.78	LO	O	DO	LO	O	O	LO	
DC3-04	280053.382	820980.096	41 38 05.61	70 32 23.11	0.61	42.61	LO	O	DO	LO	O	O	LO	
DC3-05	280053.382	820980.096	41 38 05.61	70 32 23.11	0.78	42.44	LO	O	DO	LO	DO	O	O	
DC3-06	280053.382	820980.096	41 38 05.61	70 32 23.11	0.95	42.27	LO	O	DO	LO	DO	O	O	
DC3-07	280053.382	820980.096	41 38 05.61	70 32 23.11	1.12	42.10	LO	O	G	LO	DO	O	O	
DC3-08	280053.382	820980.096	41 38 05.61	70 32 23.11	1.29	41.93	LO	O	G	LO	DO	O	O	
DC3-09	280053.382	820980.096	41 38 05.61	70 32 23.11	1.46	41.76	LO	O	G	LO	DO	O	O	
DC3-10	280053.382	820980.096	41 38 05.61	70 32 23.11	1.79	41.43	LO	O	G	O	DO	O	O	
DC3-11	280053.382	820980.096	41 38 05.61	70 32 23.11	2.12	41.10	CL	O	G	O	DO	LO	O	
DC3-12	280053.382	820980.096	41 38 05.61	70 32 23.11	2.45	40.77	CL	LO	CL	CL	CL	CL	LO	
DC3-13	280053.382	820980.096	41 38 05.61	70 32 23.11	2.78	40.44	CL	CL	CL	CL	CL	CL	CL	
DC4-01	280063.936	820995.118	41 38 06.09	70 32 22.65	0.31	43.47	LO	O	CL	LO	LO	LO	CL	
DC4-02	280063.936	820995.118	41 38 06.09	70 32 22.65	0.48	43.30	LO	O	DO	O	LO	LO	CL	
DC4-03	280063.936	820995.118	41 38 06.09	70 32 22.65	0.65	43.13	LO	O	DO	O	LO	LO	CL	
DC4-04	280063.936	820995.118	41 38 06.09	70 32 22.65	0.82	42.96	LO	O	DO	O	LO	LO	LO	
DC4-05	280063.936	820995.118	41 38 06.09	70 32 22.65	0.99	42.79	LO	O	DO	LO	LO	LO	LO	
DC4-06	280063.936	820995.118	41 38 06.09	70 32 22.65	1.16	42.62	LO	O	G	O	LO	LO	CL	
DC4-07	280063.936	820995.118	41 38 06.09	70 32 22.65	1.33	42.45	LO	O	G	O	LO	O	CL	
DC4-08	280063.936	820995.118	41 38 06.09	70 32 22.65	1.50	42.28	LO	O	G	G	LO	O	LO	
DC4-09	280063.936	820995.118	41 38 06.09	70 32 22.65	1.67	42.11	LO	O	G	LO	O	O	CL	
DC4-10	280063.936	820995.118	41 38 06.09	70 32 22.65	2.00	41.78	LO	O	G	O	DO	CL	LO	
DC4-11	280063.936	820995.118	41 38 06.09	70 32 22.65	2.33	41.45	LO	LO	CL	CL	CL	CL	CL	
DC4-12	280063.936	820995.118	41 38 06.09	70 32 22.65	2.66	41.12	CL	LO	CL	CL	CL	CL	CL	
DC4-13	280063.936	820995.118	41 38 06.09	70 32 22.65	2.99	40.79	CL	CL	CL	CL	CL	CL	CL	

**Table 8.** Physical data and chemical analyses of groundwater samples collected from multilevel diffusion chambers in and near a pond-bottom permeable reactive barrier, Ashumet Pond, Massachusetts, October 2004–August 2010—*continued*

[Easting and Northing: State plane coordinates are from North American Datum of 1983 (NAD83). Latitude and longitude in degrees (°), minutes (′), and seconds (″). DC, diffusion chamber; ft, foot; m, meter; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligram per liter; <, actual value less than value shown; --, no data. Color codes: CL, clear; LO, light orange; O, orange; DO, dark orange; LG, light gray; G, gray. Location of sites shown in figure 8]

Sample ID	Specific conductance, field, unfiltered, (µS/cm)							Orthophosphate, field, unfiltered, (mg/L as P)						
	10/27/04	7/21/05	08/22/06	07/12/07	08/20/08	08/17/09	08/04/10	10/27/04	7/21/05	08/22/06	07/12/07	08/20/08	08/17/09	08/04/10
DC1-01	96.7	186.0	135.5	146.0	166.0	184.0	183.5	<0.098	0.816	1.240	0.424	0.620	<0.244	0.561
DC1-02	183	181	122	195	181	189	163	.441	.816	1.24	.669	.685	.336	.434
DC1-03	108	183	130	203	193	192	175	.228	.799	1.14	.783	.718	.734	.424
DC1-04	63.8	181	126	197	172	185	174	<.098	.734	1.21	.897	.669	.512	.495
DC1-05	177	187	132	174	199	183	179	.457	.734	1.06	.701	.816	.267	.491
DC1-06	176	187	127	170	174	190	175	.424	.783	1.17	.652	.816	.571	.500
DC1-07	219	179	138	203	198	188	183	.424	.750	1.04	.815	.848	.394	.565
DC1-08	189	180	136	200	185	189	180	.375	.832	1.37	.766	.620	.356	.593
DC1-09	191	185	126	198	177	199	178	.424	.913	1.61	.701	.864	.392	.644
DC1-10	194	191	139	195	182	198	182	.473	.799	1.35	.571	.995	.802	.625
DC1-11	201	186	128	203	188	188	183	.473	.816	1.32	.603	.652	.789	.587
DC1-12	202	185	141	204	184	187	178	.685	.799	1.52	.636	.587	.545	.504
DC1-13	202	187	138	194	184	181	179	.587	.718	1.30	.571	.816	.695	.516
DC2-01	104	198	173	89.5	212	226	160	<.098	<.098	.473	.880	.294	.620	.331
DC2-02	100	188	174	88.8	158	208	162	<.098	<.098	.391	.880	.310	<.244	.327
DC2-03	92.8	183	173	86.0	202	189	165	<.098	<.098	.408	.766	.294	<.244	.305
DC2-04	106	182	153	88.9	212	201	168	<.098	<.098	.245	.897	.326	<.244	.306
DC2-05	97.7	180	162	87.3	225	199	170	<.098	<.098	.245	.766	.114	<.244	<.244
DC2-06	96.3	184	155	88.6	233	201	172	<.098	<.098	<.098	.897	.098	<.244	<.244
DC2-07	95.0	196	168	89.4	238	241	173	<.098	.114	.261	.734	<.098	<.244	<.244
DC2-08	96.1	202	189	89.3	232	247	168	<.098	.179	<.098	.147	<.098	.667	<.244
DC2-09	85.4	186	178	90.8	243	274	178	<.098	.196	<.098	.196	<.098	.429	<.244
DC2-10	96.8	183	190	89.0	293	247	160	.587	.294	.424	.962	<.098	.545	<.244
DC2-11	109	193	165	88.5	243	266	156	.489	.962	.750	.913	.587	.727	.553
DC2-12	109	185	180	89.8	257	244	152	.522	1.04	1.03	.815	.522	.788	.481
DC2-13	102	182	177	89.1	249	207	143	.603	1.09	1.11	.815	.522	.746	.404
DC3-01	153	138	192	149	149	228	287	<.098	.098	<.098	.310	<.098	<.244	.303
DC3-02	158	114	197	138	162	236	273	<.098	.098	<.098	.293	<.098	<.244	.382
DC3-03	142	122	193	150	165	232	278	<.098	<.098	<.098	.179	<.098	<.244	<.244
DC3-04	134	89.4	194	145	180	215	272	<.098	<.098	<.098	.196	<.098	<.244	<.244
DC3-05	138	128	192	145	183	183	277	<.098	<.098	<.098	.179	.114	<.244	.379
DC3-06	152	134	190	142	193	183	259	<.098	<.098	<.098	.179	.163	<.244	<.244
DC3-07	138	154	192	151	193	197	246	<.098	.114	<.098	.228	<.098	<.244	<.244
DC3-08	124	158	193	141	191	247	272	<.098	.124	<.098	<.098	<.098	<.244	<.244
DC3-09	123	160	189	146	194	237	275	.114	.098	<.098	<.098	<.098	<.244	<.244
DC3-10	116	170	191	136	208	240	298	<.098	.179	<.098	.245	<.098	<.244	<.244
DC3-11	112	168	197	148	204	266	295	<.098	.669	<.098	.212	.457	<.244	.299
DC3-12	96.5	154	189	122	181	224	278	.620	1.37	1.24	1.17	1.30	<.244	.328
DC3-13	105	156	192	129	180	240	278	1.29	1.63	1.58	1.50	1.37	.289	.922
DC4-01	111	132	204	238	186	180	225	.130	<.098	.555	.098	<.098	0.740	1.13
DC4-02	102	124	200	235	199	187	258	<.098	<.098	<.098	.163	.538	1.13	.887
DC4-03	115	122	205	225	191	190	254	<.098	<.098	.098	.098	.228	.736	.512
DC4-04	91.8	118	203	222	201	187	265	<.098	<.098	<.098	<.098	.277	.664	.397
DC4-05	107	115	204	229	203	181	251	.130	<.098	<.098	<.098	.261	.656	1.15
DC4-06	125	120	204	224	198	171	263	<.098	<.098	<.098	.228	.294	.716	.672
DC4-07	128	124	210	218	195	164	255	<.098	<.098	<.098	<.098	.457	.648	1.35
DC4-08	141	133	204	222	208	185	275	<.098	<.098	<.098	<.098	.245	.419	.340
DC4-09	159	129	203	224	208	165	241	.114	<.098	<.098	.114	.212	.277	.382
DC4-10	136	136	211	232	202	186	266	<.098	<.098	<.098	<.098	.408	2.26	.427
DC4-11	98.4	127	196	203	189	180	224	<.098	.913	.946	1.03	1.01	1.64	1.06
DC4-12	104	121	196	203	198	182	233	.147	1.34	1.06	1.03	.995	1.73	1.11
DC4-13	103	133	190	206	207	189	233	.277	1.73	1.30	1.03	.913	1.75	.999

**Table 8.** Physical data and chemical analyses of groundwater samples collected from multilevel diffusion chambers in and near a pond-bottom permeable reactive barrier, Ashumet Pond, Massachusetts, October 2004–August 2010—continued

[Easting and Northing: State plane coordinates are for North American Datum of 1983 (NAD83). Latitude and longitude in degrees (°), minutes (′), and seconds (″). DC, diffusion chamber; ft, foot; m, meter; μS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligram per liter; <, actual value less than value shown; -, no data. Color codes: CL, clear; LO, light orange; O, orange; DO, dark orange; LG, light gray; G, gray. Locations of sites shown in figure 8]

Sample ID	Easting (m)	Northing (m)	Latitude (° ′ ″)	Longitude (° ′ ″)	Depth below pond bottom (ft)	Port altitude (ft)	Color of film on nylon mesh						
							10/27/04	7/21/05	08/22/06	07/12/07	08/20/08	08/17/09	08/04/10
DC5-01	280068.316	820992.767	41 38 06.01	70 32 22.46	-0.02	42.71	LO	LO	DO	LO	LO	DO	O
DC5-02	280068.316	820992.767	41 38 06.01	70 32 22.46	0.15	42.54	LO	LO	G	LO	LO	O	O
DC5-03	280068.316	820992.767	41 38 06.01	70 32 22.46	0.32	42.37	LO	LO	G	LG	LO	O	O
DC5-04	280068.316	820992.767	41 38 06.01	70 32 22.46	0.49	42.20	LO	LO	G	LG	LO	O	O
DC5-05	280068.316	820992.767	41 38 06.01	70 32 22.46	0.66	42.03	LO	LO	G	LG	O	O	O
DC5-06	280068.316	820992.767	41 38 06.01	70 32 22.46	0.83	41.86	LO	LO	G	LO	DO	O	O
DC5-07	280068.316	820992.767	41 38 06.01	70 32 22.46	1.00	41.69	LO	LO	G	LO	DO	O	O
DC5-08	280068.316	820992.767	41 38 06.01	70 32 22.46	1.17	41.52	LO	LO	G	CL	DO	O	O
DC5-09	280068.316	820992.767	41 38 06.01	70 32 22.46	1.34	41.35	LO	LO	G	CL	DO	O	O
DC5-10	280068.316	820992.767	41 38 06.01	70 32 22.46	1.67	41.02	LO	LO	G	CL	LO	O	O
DC5-11	280068.316	820992.767	41 38 06.01	70 32 22.46	2.00	40.69	LO	LO	DO	CL	CL	LO	LO
DC5-12	280068.316	820992.767	41 38 06.01	70 32 22.46	2.33	40.36	CL	CL	DO	CL	CL	CL	CL
DC5-13	280068.316	820992.767	41 38 06.01	70 32 22.46	2.66	40.03	CL	CL	CL	CL	CL	CL	CL
DC6-01	280070.647	820990.234	41 38 05.93	70 32 22.36	-0.18	42.40	LO	LO	G	LO	LO	G	G
DC6-02	280070.647	820990.234	41 38 05.93	70 32 22.36	-0.01	42.23	LO	LO	DO	LO	LO	DO	CL
DC6-03	280070.647	820990.234	41 38 05.93	70 32 22.36	0.16	42.06	LO	LO	DO	O	O	O	CL
DC6-04	280070.647	820990.234	41 38 05.93	70 32 22.36	0.33	41.89	LO	LO	DO	O	O	O	O
DC6-05	280070.647	820990.234	41 38 05.93	70 32 22.36	0.50	41.72	LO	LO	DO	O	O	O	O
DC6-06	280070.647	820990.234	41 38 05.93	70 32 22.36	0.67	41.55	LO	LO	G	O	LO	O	O
DC6-07	280070.647	820990.234	41 38 05.93	70 32 22.36	0.84	41.38	LO	O	G	O	O	O	O
DC6-08	280070.647	820990.234	41 38 05.93	70 32 22.36	1.01	41.21	LO	O	G	LO	O	O	O
DC6-09	280070.647	820990.234	41 38 05.93	70 32 22.36	1.18	41.04	LO	O	G	O	O	O	O
DC6-10	280070.647	820990.234	41 38 05.93	70 32 22.36	1.51	40.71	LO	O	G	LO	LO	LO	LO
DC6-11	280070.647	820990.234	41 38 05.93	70 32 22.36	1.84	40.38	LO	O	G	CL	CL	CL	CL
DC6-12	280070.647	820990.234	41 38 05.93	70 32 22.36	2.17	40.05	CL	LO	CL	CL	CL	CL	CL
DC6-13	280070.647	820990.234	41 38 05.93	70 32 22.36	2.50	39.72	CL	CL	CL	CL	CL	CL	CL
DC7-01	280077.100	821018.653	41 38 06.85	70 32 22.07	-0.26	43.98	O	LO	DO	LO	LO	CL	CL
DC7-02	280077.100	821018.653	41 38 06.85	70 32 22.07	-0.09	43.81	O	LO	DO	LO	DO	CL	CL
DC7-03	280077.100	821018.653	41 38 06.85	70 32 22.07	0.08	43.64	O	O	DO	LO	DO	O	LO
DC7-04	280077.100	821018.653	41 38 06.85	70 32 22.07	0.25	43.47	O	O	DO	LO	DO	O	LO
DC7-05	280077.100	821018.653	41 38 06.85	70 32 22.07	0.42	43.30	O	O	DO	LO	DO	O	O
DC7-06	280077.100	821018.653	41 38 06.85	70 32 22.07	0.59	43.13	O	O	G	LO	DO	O	O
DC7-07	280077.100	821018.653	41 38 06.85	70 32 22.07	0.76	42.96	O	O	G	LO	DO	O	O
DC7-08	280077.100	821018.653	41 38 06.85	70 32 22.07	0.93	42.79	O	O	G	CL	DO	O	O
DC7-09	280077.100	821018.653	41 38 06.85	70 32 22.07	1.10	42.62	O	O	G	CL	DO	O	LO
DC7-10	280077.100	821018.653	41 38 06.85	70 32 22.07	1.43	42.29	O	O	G	CL	LO	O	LO
DC7-11	280077.100	821018.653	41 38 06.85	70 32 22.07	1.76	41.96	O	O	CL	CL	CL	LO	CL
DC7-12	280077.100	821018.653	41 38 06.85	70 32 22.07	2.09	41.63	O	CL	CL	CL	CL	LO	CL
DC7-13	280077.100	821018.653	41 38 06.85	70 32 22.07	2.42	41.30	LO	CL	CL	CL	CL	CL	CL
DC8-01	280084.313	821029.798	41 38 07.21	70 32 21.75	-0.02	43.48	DO	O	DO	O	DO	LO	LO
DC8-02	280084.313	821029.798	41 38 07.21	70 32 21.75	0.15	43.31	DO	O	DO	O	DO	O	O
DC8-03	280084.313	821029.798	41 38 07.21	70 32 21.75	0.32	43.14	DO	O	DO	O	DO	O	O
DC8-04	280084.313	821029.798	41 38 07.21	70 32 21.75	0.49	42.97	LO	O	DO	O	DO	O	O
DC8-05	280084.313	821029.798	41 38 07.21	70 32 21.75	0.66	42.80	LO	O	DO	O	DO	O	O
DC8-06	280084.313	821029.798	41 38 07.21	70 32 21.75	0.83	42.63	LO	O	DO	LO	DO	O	DO
DC8-07	280084.313	821029.798	41 38 07.21	70 32 21.75	1.00	42.46	LO	O	DO	LO	DO	O	DO
DC8-08	280084.313	821029.798	41 38 07.21	70 32 21.75	1.17	42.29	DO	O	DO	LO	DO	DO	DO
DC8-09	280084.313	821029.798	41 38 07.21	70 32 21.75	1.34	42.12	DO	O	DO	LO	DO	DO	DO
DC8-10	280084.313	821029.798	41 38 07.21	70 32 21.75	1.67	41.79	DO	O	DO	O	DO	O	O
DC8-11	280084.313	821029.798	41 38 07.21	70 32 21.75	2.00	41.46	LO	O	DO	O	DO	O	O
DC8-12	280084.313	821029.798	41 38 07.21	70 32 21.75	2.33	41.13	CL	O	DO	O	DO	LO	O
DC8-13	280084.313	821029.798	41 38 07.21	70 32 21.75	2.66	40.80	CL	LO	O	LO	CL	CL	CL

**Table 8.** Physical data and chemical analyses of groundwater samples collected from multilevel diffusion chambers in and near a pond-bottom permeable reactive barrier, Ashumet Pond, Massachusetts, October 2004–August 2010—*continued*

[Easting and Northing: State plane coordinates are from North American Datum of 1983 (NAD83). Latitude and longitude in degrees (°), minutes (′), and seconds (″). DC, diffusion chamber; ft, foot; m, meter;  $\mu\text{S}/\text{cm}$ , microsiemens per centimeter at 25 degrees Celsius; mg/L, milligram per liter; <, actual value less than value shown; --, no data. Color codes: CL, clear; LO, light orange; O, orange; DO, dark orange; LG, light gray; G, gray. Location of sites shown in figure 8]

Sample ID	Specific conductance, field, unfiltered, ( $\mu\text{S}/\text{cm}$ )							Orthophosphate, field, unfiltered, (mg/L as P)						
	10/27/04	7/21/05	08/22/06	07/12/07	08/20/08	08/17/09	08/04/10	10/27/04	7/21/05	08/22/06	07/12/07	08/20/08	08/17/09	08/04/10
DC5-01	240	202	127	156	203	212	182	<.098	.343	.440	.245	<.098	<.244	.328
DC5-02	220	198	130	158	204	238	187	<.098	.163	.440	.147	.114	<.244	.283
DC5-03	225	199	133	157	209	235	181	<.098	.130	.261	.147	.424	<.244	<.244
DC5-04	227	199	135	151	205	225	176	<.098	.114	.375	.130	.130	<.244	<.244
DC5-05	221	194	129	154	204	218	190	<.098	<.098	.440	.130	.147	<.244	<.244
DC5-06	221	195	129	152	205	240	191	<.098	.228	.424	.114	<.098	<.244	<.244
DC5-07	216	193	128	154	211	251	200	<.098	.114	.391	.163	<.098	<.244	<.244
DC5-08	234	197	130	154	220	249	186	<.098	.147	.326	.163	<.098	<.244	<.244
DC5-09	228	196	128	155	221	249	202	.864	.147	.408	.359	<.098	<.244	<.244
DC5-10	221	200	130	152	220	246	190	.522	.147	.636	.522	.294	<.244	<.244
DC5-11	203	195	131	150	209	243	172	.864	<.098	.522	.913	.212	.536	<.244
DC5-12	157	193	132	149	210	242	195	.848	1.35	1.39	.929	.799	.303	1.04
DC5-13	151	188	121	145	207	238	195	1.37	1.29	1.42	.832	1.06	<.244	.763
DC6-01	101	96.0	--	104	104	106	114	<.098	<.098	<.098	<.098	<.098	<.244	<.244
DC6-02	122	95.6	100	83.6	106	109	175	<.098	<.098	<.098	<.098	<.098	<.244	<.244
DC6-03	154	140	86.6	83.6	134	225	174	.098	.114	<.098	.163	<.098	<.244	.392
DC6-04	161	141	84.9	84.8	139	209	172	<.098	.130	.130	.293	<.098	<.244	.361
DC6-05	164	140	86.4	82.5	138	194	167	.130	.163	<.098	.277	<.098	<.244	<.244
DC6-06	163	142	98.7	81.8	145	208	172	.147	.147	<.098	.179	.326	<.244	.655
DC6-07	153	138	80.3	84.6	144	189	169	<.098	<.098	<.098	.130	.179	<.244	<.244
DC6-08	147	142	92.9	82.1	146	220	170	<.098	<.098	<.098	<.098	.473	<.244	.285
DC6-09	156	144	86.6	81.6	145	210	170	.179	<.098	<.098	.130	.326	<.244	<.244
DC6-10	145	143	83.6	84.5	139	228	171	<.098	.179	<.098	.114	.424	<.244	.541
DC6-11	141	140	83.4	85.0	142	241	175	.832	.326	.718	.489	.669	<.244	.548
DC6-12	143	146	87.9	85.1	143	239	174	1.08	1.22	.701	.457	.864	.678	.554
DC6-13	148	146	132	83.3	140	240	173	1.26	1.03	.734	.489	.962	.717	.505
DC7-01	--	98.4	105	108	106	105	117	--	<.098	<.098	<.098	<.098	<.244	<.244
DC7-02	--	98.0	153	149	188	110	127	--	<.098	.098	.929	.098	<.244	<.244
DC7-03	82.8	186	189	171	242	191	267	<.098	<.098	.506	.359	<.098	<.244	.575
DC7-04	81.1	189	193	179	242	169	262	<.098	<.098	.538	.098	<.098	<.244	<.244
DC7-05	87.1	194	188	176	256	161	265	<.098	<.098	.326	.261	<.098	<.244	<.244
DC7-06	87.6	199	183	176	260	149	272	<.098	<.098	.179	<.098	<.098	<.244	<.244
DC7-07	91.3	197	190	172	253	155	271	<.098	<.098	.212	<.098	.098	<.244	<.244
DC7-08	93.5	200	187	171	252	166	262	<.098	<.098	.212	<.098	.098	<.244	<.244
DC7-09	94.7	199	194	167	248	166	242	<.098	<.098	.391	.554	<.098	<.244	<.244
DC7-10	103	200	204	156	247	158	242	<.098	<.098	.326	.652	.098	<.244	.327
DC7-11	102	201	171	150	170	162	251	<.098	<.098	1.13	1.32	.669	<.244	.463
DC7-12	95.7	198	186	150	180	175	249	<.098	1.13	.538	.962	.979	.858	.439
DC7-13	82.4	225	244	151	180	184	264	<.098	.913	1.03	.864	.864	.824	.494
DC8-01	102	109	132	108	130	104	184	<.098	<.098	<.098	<.098	<.098	<.244	<.244
DC8-02	150	138	138	156	131	129	271	<.098	.130	<.098	<.098	<.098	<.244	<.244
DC8-03	150	140	154	142	126	134	267	<.098	<.098	<.098	<.098	<.098	<.244	<.244
DC8-04	132	142	149	150	124	134	267	<.098	<.098	<.098	<.098	<.098	<.244	<.244
DC8-05	132	134	139	139	126	132	255	<.098	<.098	<.098	<.098	<.098	<.244	<.244
DC8-06	146	137	--	155	122	129	265	<.098	<.098	<.098	<.098	.098	<.244	<.244
DC8-07	124	129	154	154	125	132	256	<.098	<.098	<.098	<.098	<.098	<.244	<.244
DC8-08	175	128	145	155	126	133	255	<.098	<.098	<.098	<.098	<.098	<.244	<.244
DC8-09	166	131	145	154	118	134	239	<.098	<.098	.310	<.098	<.098	<.244	<.244
DC8-10	187	132	142	143	119	127	253	<.098	<.098	.196	<.098	<.098	<.244	<.244
DC8-11	167	125	126	144	141	135	265	<.098	<.098	.245	<.098	<.098	<.244	<.244
DC8-12	153	117	128	129	116	130	264	<.098	<.098	.228	<.098	<.098	<.244	<.244
DC8-13	193	132	193	136	122	137	265	<.098	.228	.228	.098	<.098	.334	<.244