JX

Hudson River Beach Seine Water Quality Data
1993-2005

(301 Pages)

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1993	1	19	6	4	259	40	57.735	73	53.561	7/1/1993	15:50	0.3	25.3	9.8	15840
1993	1	21	6	4	257	40	59.13	73	53.13	7/1/1993	16:07	0.3	25.3	9.7	14949
1993	1	23	6	2	254	41	1.086	73	52.681	7/1/1993	16:24	0.3	25.2	10.7	13095
1993	1	25	6	2	251	41	2.46	73	52.42	7/1/1993	16:38	0.3	25.2	10.7	13393
1993	1	26	4	4	246	41	3.6	73	55.2	7/1/1993	14:55	0.3	27.2	11.1	11714
1993	1	27	4	4	245	41	4.19	73	55.21	7/1/1993	14:47	0.3	27	12.4	11571
1993	1	27	4	4	272	41	4.49	73	55.14	7/1/1993	14:23	0.3	26.6	12	11472
1993	1	28	6	2	244	41	5.33	73	52.33	7/1/1993	16:58	0.3	25.1	10.6	11134
1993	1	29	4	4	242	41	6.1	73	54.88	7/1/1993	14:00	0.3	27	14.5	10997
1993	1	30	4	4	241	41	7.14	73	54.77	7/1/1993	13:42	0.3	26.7	11.6	9621
1993	1	31	4	4	283	41	8.34	73	54.4	7/1/1993	13:26	0.3	26.5	11.3	9274
1993	1	32	4	4	239	41	8.81	73	54.6	7/1/1993	13:00	0.3	26.4	11.2	8422
1993	1	32	4	4	240	41	8.48	73	54.42	7/1/1993	13:19	0.3	26.5	11.2	9177
1993	1	34	6	2	233	41	10.662	73	53.922	7/1/1993	17:34	0.3	26.5	15.2	8888
1993	1	35	6	2	231	41	11.23	73	53.69	7/1/1993	17:48	0.3	25.5	11.4	7986
1993	1	35	6	2	275	41	11.31	73	53.54	7/1/1993	17:55	0.3	25.5	11.4	7986
1993	1	36	6	2	276	41	12.17	73	53.51	7/1/1993	18:48	0.3	25.6	10.9	6888
1993	1	38	4	2	222	41	12.979	73	57.867	7/1/1993	18:20	0.3	26	11	8979
1993	1	38	4	2	279	41	13.36	73	57.82	7/1/1993	18:30	0.3	26	11	8979
1993	1	38	6	2	220					7/1/1993	18:59	0.3	27	10.4	6694
1993	1	42	6	4	207	41	15.3	73	57.8	7/3/1993	15:30	0.3	29.1	6.9	5956
1993	1	46	4	4	198	41	19.7	73	59	7/3/1993	14:57	0.3	24.3	7.2	3082
1993	1	46	6	4	199	41	19.42	73	58.77	7/3/1993	15:09	0.3	24.2	7.5	2643
1993	1	49	4	4	196	41	21.16	73	57.74	7/3/1993	14:38	0.3	23.6	7.1	1999
1993	1	52	6	4	193	41	24.12	73	57.31	7/3/1993	14:07	0.3	23.4	7.4	1441
1993	1	52	6	4	194	41	24.12	73	56.81	7/3/1993	14:17	0.3	23.5	7.4	1438
1993	1	58	4	4	184	41	27.78	74	0.7	7/3/1993	13:42	0.3	23.5	8.4	493
1993	1	59	6	4	178	41	29.25	73	59.32	7/3/1993	13:27	0.3	22.8	7.5	459
1993	1	61	4	2	174	41	31.15	74	0.37	7/3/1993	13:07	0.3	23.8	8.3	291
1993	1	62	6	2	170	41	31.8	73	58.98	7/3/1993	12:49	0.3	23.3	8.1	315
1993	1	69	4	2	155	41	37.44	73	57.43	7/3/1993	12:08	0.3	23.4	7.2	247
1993	1	69	6	2	157	41	36.97	73	56.85	7/3/1993	12:21	0.3	23.5	7.6	257
1993	1	71	4	2	153	41	39.06	73	57.257	7/3/1993	11:52	0.3	23.3	7.3	253
1993	1	72	6	2	152	41	39.77	73	56.55	7/3/1993	11:37	0.3	23.3	7	256
1993	1	74	4	2	147	41	41.29	73	56.8	7/3/1993	11:09	0.3	23.4	7	263
1993	1	74	6	2	148	41	41.15	73	56.31	7/3/1993	11:20	0.3	23.3	8	263
1993	1	76	4	2	144					7/3/1993	10:48	0.3	22.8	7.3	302
1993	1	77	6	2	140	41	44.56	73	56.17	7/3/1993	10:23	0.3	23	6.8	272
1993	1	77	6	2	141	41	44.46	73	56.21	7/3/1993	10:32	0.3	23	6.8	272
1993	1	80	6	2	137	41	46.14	73	56.82	7/3/1993	9:55	0.3	23	6.8	261
1993	1	81	4	2	135	41	47.474	73	57.457	7/3/1993	9:34	0.3	22.3	6.7	272
1993	1	83	4	4	131	41	49.33	73	57.31	7/3/1993	8:59	0.3	23	6.5	271
1993	1	83	4	4	133	41	48.74	73	57.19	7/3/1993	9:14	0.3	23	6.7	270

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1993	1	84	4	4	129	41	50.61	73	57.28	7/3/1993	8:45	0.3	23	6.9	269
1993	1	85	6	4	127	41	51.18	73	56.5	7/3/1993	8:32	0.3	23	6.8	275
1993	1	86	4	4	126	41	51.44	73	56.97	7/3/1993	8:09	0.3	21.5	6.5	290
1993	1	86	6	4	125	41	51.75	73	55.89	7/3/1993	7:52	0.3	22.1	6.8	286
1993	1	88	6	4	122	41	53.023	73	56.214	7/3/1993	7:33	0.3	22.3	6.5	276
1993	1	90	6	4	120	41	54.02	73	57.2	7/3/1993	7:13	0.3	22.3	6.7	283
1993	1	91	6	4	119	41	55.847	73	56.774	7/3/1993	6:57	0.3	22.5	6.4	289
1993	1	92	4	4	118	41	56.32	73	58.1	7/2/1993	19:09	0.3	23.2	7.7	311
1993	1	93	4	4	116	41	57.05	73	57.77	7/2/1993	18:55	0.3	23.2	7.4	319
1993	1	93	6	4	117	41	57.036	73	56.721	7/3/1993	6:39	0.3	23.1	6.7	271
1993	1	94	4	4	113	41	58.38	73	57.25	7/2/1993	18:43	0.3	23.5	7.1	307
1993	1	94	6	4	114	41	58.085	73	56.467	7/2/1993	18:26	0.3	23.7	7.6	306
1993	1	95	4	4	111	41	59.083	73	57.079	7/2/1993	18:00	0.3	23.8	8.2	297
1993	1	95	6	4	112	41	58.238	73	56.123	7/2/1993	18:13	0.3	23.6	8	313
1993	1	96	4	4	105	42	0.22	73	56.65	7/2/1993	17:12	0.3	24	8.9	284
1993	1	96	4	4	108	41	59.76	73	56.81	7/2/1993	17:42	0.3	23.9	7.5	290
1993	1	96	4	4	110	41	59.4	73	56.94	7/2/1993	17:50	0.3	24	7.1	294
1993	1	96	6	4	106	42	59.99	73	55.94	7/2/1993	17:25	0.3	23.7	8.3	286
1993	1	97	4	4	102	42	0.83	73	56.38	7/2/1993	16:52	0.3	23.7	7.4	276
1993	1	97	4	4	103	42	0.5	73	56.51	7/2/1993	17:04	0.3	23.8	8.2	285
1993	1	98	4	4	101	42	1.426	73	56.456	7/2/1993	16:40	0.3	23.8	8.1	266
1993	1	99	6	4	99	42	2.02	73	55.73	7/2/1993	16:27	0.3	23.7	8.2	255
1993	1	105	4	2	97	42	7.68	73	55.13	7/2/1993	15:49	0.3	23.8	7	263
1993	1	105	4	2	98	42	7.33	73	55.3	7/2/1993	15:58	0.3	23.4	7.4	257
1993	1	106	4	2	96	42	8.147	73	54.796	7/2/1993	15:39	0.3	23.6	7.1	255
1993	1	110	6	2	90	42	11.04	73	51.38	7/2/1993	15:19	0.3	23.7	8.1	159
1993	1	112	4	2	88	42	12.69	73	51.26	7/2/1993	15:01	0.3	24.1	6.7	253
1993	1	113	6	2	87	42	13.32	73	50.85	7/2/1993	14:43	0.3	23.5	7	259
1993	1	114	4	2	83	42	14.26	73	50.71	7/2/1993	13:56	0.3	23.7	7.3	255
1993	1	114	6	2	84	42	14.02	73	50.18	7/2/1993	14:20	0.3	24	6.6	257
1993	1	114	6	2	85	42	13.54	73	50.75	7/2/1993	14:30	0.3	23.7	6.8	258
1993	1	115	6	2	79	42	14.8	73	49	7/2/1993	13:42	0.3	23.6	7.2	257
1993	1	116	6	2	77	42	15.02	73	48.31	7/2/1993	13:32	0.3	23	7	261
1993	1	117	4	2	76	42	15.84	73	47.69	7/2/1993	13:20	0.3	22.8	7.8	261
1993	1	118	4	2	75	42	16.12	73	47.49	7/2/1993	13:10	0.3	22.9	7.8	260
1993	1	119	4	2	72	42	16.82	73	47.28	7/2/1993	12:56	0.3	23.7	7.4	256
1993	1	119	6	2	69	42	17.29	73	46.78	7/2/1993	12:37	0.3	22.1	8.5	264
1993	1	119	6	2	71	42	17.16	73	46.8	7/2/1993	12:47	0.3	22.1	8.5	264
1993	1	121	4	2	65	42	19.307	73	47.217	7/2/1993	12:23	0.3	23	7.4	258
1993	1	122	6	2	64	42	19.9	73	46.8	7/2/1993	12:09	0.3	23	7.4	258
1993	1	123	4	2	59					7/2/1993	11:50	0.3	23	7.9	261
1993	1	123	4	2	60	42	20.64	73	47.39	7/2/1993	11:58	0.3	23	7.9	261
1993	1	124	4	2	55	42	21.64	73	47.62	7/2/1993	11:28	0.3	23.5	8.1	242

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1993	1	124	6	2	56	42	21.49	73	47.29	7/2/1993	11:36	0.3	7.5	8	370
1993	1	128	6	4	43	42	25.02	73	46.62	7/2/1993	11:04	0.3	23.8	6.9	238
1993	1	129	6	4	39	42	25.879	73	46.76	7/2/1993	10:50	0.3	23.8	6.9	238
1993	1	131	4	4	33	42	28.06	73	47.13	7/2/1993	10:34	0.3	24.1	6.7	244
1993	1	133	4	4	29	42	29.09	73	47.273	7/2/1993	10:23	0.3	24.1	7	243
1993	1	134	4	4	27	42	30.17	73	46.88	7/2/1993	10:03	0.3	23	8	256
1993	1	137	6	4	24	42	32.262	73	45.288	7/2/1993	9:44	0.3	23.9	6.9	226
1993	1	138	4	4	20	42	33.5	73	45.35	7/2/1993	9:05	0.3	23.8	6.8	237
1993	1	138	4	4	22	42	33.36	73	45.42	7/2/1993	9:15	0.3	23.8	6.8	236
1993	1	138	4	4	23	42	33.14	73	45.46	7/2/1993	9:25	0.3	23.8	6.9	236
1993	1	139	6	2	14	42	34.34	73	45.02	7/2/1993	8:50	0.3	24.5	7	231
1993	1	145	6	2	4	42	39.51	73	44.09	7/2/1993	8:16	0.3	24	7.3	196
1993	1	145	6	2	5	42	39.19	73	44.41	7/2/1993	8:28	0.3	24.1	7.3	197
1993	2	15	4	2	263	40	54.252	73	55.961	7/13/1993	15:41	0.3	29	12.8	12396
1993	2	20	6	2	258	40	57.73	73	53.661	7/13/1993	16:20	0.3	28.7	14.2	12194
1993	2	23	6	2	255	41	0.74	73	52.83	7/13/1993	16:50	0.3	28.9	15.1	11777
1993	2	24	6	2	252	41	2.057	73	52.505	7/13/1993	16:55	0.3	28.8	12.8	10879
1993	2	24	6	2	253	41	1.169	73	52.711	7/13/1993	17:10	0.3	29.1	13.9	10996
1993	2	25	4	2	250	41	2.86	73	55.07	7/13/1993	15:00	0.3	30	11.6	10708
1993	2	26	4	4	246	41	3.6	73	55.2	7/13/1993	14:20	0.3	30	10	9988
1993	2	26	4	4	271	41	3.77	73	55.22	7/13/1993	14:12	0.3	30	9.8	9988
1993	2	26	4	1	285	41	3.607	73	55.196	7/13/1993	14:45	0.3	30.5	11.4	10511
1993	2	27	4	3	245	41	4.19	73	55.21	7/13/1993	13:55	0.3	29.5	10.9	10908
1993	2	29	4	3	242	41	6.1	73	54.88	7/13/1993	13:37	0.3	29.2	10.2	9054
1993	2	32	4	3	239	41	8.81	73	54.6	7/13/1993	13:00	0.3	28.5	9.8	7884
1993	2	32	4	3	240	41	8.48	73	54.42	7/13/1993	13:16	0.3	29	9.6	8631
1993	2	33	6	2	236	41	9.79	73	52.202	7/13/1993	17:28	0.3	28.8	12.3	9127
1993	2	34	6	2	233	41	10.662	73	53.922	7/13/1993	18:05	0.3	28.8	10	8298
1993	2	34	6	2	235	41	10.632	73	52.59	7/13/1993	17:45	0.3	31	10.5	8819
1993	2	35	4	3	229	41	10.59	73	56.41	7/13/1993	12:42	0.3	28.2	9.7	7559
1993	2	35	4	2	277	41	10.95	73	57.06	7/13/1993	12:20	0.3	29.2	10.8	6402
1993	2	37	4	2	225	41	12.096	73	57.458	7/13/1993	12:10	0.3	28.2	8.6	7652
1993	2	38	4	2	222	41	12.979	73	57.867	7/13/1993	11:46	0.3	28.2	7.5	7466
1993	2	38	4	2	278	41	12.96	73	57.828	7/13/1993	11:50	0.3	28.1	9.6	7387
1993	2	39	6	2	219					7/13/1993	18:30	0.3	28.5	12.6	8348
1993	2	40	6	2	210	41	14.87	73	57.74	7/13/1993	18:50	0.3	28	8.1	7965
1993	2	42	6	2	207	41	15.3	73	57.8	7/13/1993	19:05	0.3	32	6.8	6050
1993	2	49	4	1	196	41	21.16	73	57.74	7/15/1993	16:37	0.3	26.5	6.7	3178
1993	2	53	4	1	192	41	24.19	73	57.95	7/15/1993	16:19	0.3	26.5	7.4	2174
1993	2	55	6	4	189	41	25.66	73	58.14	7/15/1993	16:03	0.3	27	7.1	1721
1993	2	59	6	4	180	41	29.08	73	59.37	7/15/1993	15:28	0.3	27.5	7.5	994
1993	2	59	6	4	181	41	29.04	73	59.33	7/15/1993	15:44	0.3	27.9	7.6	995
1993	2	60	6	4	177	41	29.52	73	59.24	7/15/1993	15:16	0.3	27.3	6.3	998

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1993	2	62	6	4	170	41	31.8	73	58.98	7/15/1993	14:54	0.3	27.8	7.7	376
1993	2	63	6	4	168	41	32.3	73	58.633	7/15/1993	14:41	0.3	27.7	7.6	316
1993	2	65	4	4	162	41	33.99	73	58.39	7/15/1993	14:21	0.3	6.7	7.2	379
1993	2	69	6	4	157	41	36.97	73	56.85	7/15/1993	14:02	0.3	26.2	6.7	245
1993	2	71	4	4	153	41	39.06	73	57.257	7/15/1993	13:45	0.3	26.2	6.7	244
1993	2	72	4	4	151	41	40.04	73	57.11	7/15/1993	13:14	0.3	27	11.8	240
1993	2	72	6	4	152	41	39.77	73	56.55	7/15/1993	13:33	0.3	26.2	7.5	245
1993	2	76	4	4	144					7/15/1993	12:51	0.3	26.2	6.8	245
1993	2	78	4	4	139	41	44.786	73	56.758	7/15/1993	12:30	0.3	27.2	8.4	240
1993	2	78	6	4	138	41	45.18	73	56.22	7/15/1993	12:18	0.3	26.2	7.5	245
1993	2	80	6	3	137	41	46.14	73	56.82	7/15/1993	11:49	0.3	26.3	7	244
1993	2	81	4	2	135	41	47.474	73	57.457	7/15/1993	11:26	0.3	27.1	7	240
1993	2	82	4	2	134	41	48.51	73	57.22	7/15/1993	11:11	0.3	27.1	7.6	240
1993	2	83	4	2	131	41	49.33	73	57.31	7/15/1993	10:51	0.3	27.2	7.2	240
1993	2	84	4	2	129	41	50.61	73	57.28	7/15/1993	10:38	0.3	27	7.4	241
1993	2	85	6	2	127	41	51.18	73	56.5	7/15/1993	10:17	0.3	26.4	6.7	242
1993	2	86	4	2	124	41	51.95	73	56.84	7/15/1993	9:46	0.3	26.8	6.8	248
1993	2	86	4	2	126	41	51.44	73	56.97	7/15/1993	10:01	0.3	26.8	7.5	241
1993	2	89	6	2	121	41	53.84	73	57.04	7/15/1993	9:29	0.3	26.8	7	257
1993	2	90	6	2	120	41	54.02	73	57.2	7/15/1993	9:17	0.3	26.8	6.6	261
1993	2	91	6	2	119	41	55.847	73	56.774	7/15/1993	8:58	0.3	26.2	7.3	248
1993	2	92	4	1	118	41	56.32	73	58.1	7/15/1993	7:24	0.3	26.2	6	249
1993	2	93	4	1	116	41	57.05	73	57.77	7/14/1993	7:40	0.3	27	6.2	247
1993	2	93	6	2	117	41	57.036	73	56.721	7/15/1993	8:43	0.3	26.5	6.6	245
1993	2	94	4	2	113	41	58.38	73	57.25	7/15/1993	7:54	0.3	26	6.3	249
1993	2	94	6	2	114	41	58.085	73	56.467	7/15/1993	8:25	0.3	26.2	6.5	245
1993	2	95	4	2	111	41	59.083	73	57.079	7/14/1993	18:38	0.3	28	7.1	253
1993	2	95	6	2	112	41	58.238	73	56.123	7/15/1993	8:10	0.3	26.5	6.8	245
1993	2	96	4	2	105	42	0.22	73	56.65	7/14/1993	18:05	0.3	28.6	7.8	252
1993	2	96	4	2	108	41	59.76	73	56.81	7/14/1993	18:15	0.3	27	6.9	269
1993	2	96	4	2	110	41	59.4	73	56.94	7/14/1993	18:28	0.3	28.3	7.8	245
1993	2	97	4	1	102	42	0.83	73	56.38	7/14/1993	17:41	0.3	29.8	9.4	244
1993	2	97	4	1	103	42	0.5	73	56.51	7/14/1993	17:55	0.3	29.9	8.2	244
1993	2	98	4	1	100	42	1.67	73	56.54	7/14/1993	17:17	0.3	28.2	8.6	247
1993	2	98	4	1	101	42	1.426	73	56.456	7/14/1993	17:30	0.3	28.1	7.6	265
1993	2	99	6	4	99	42	2.02	73	55.73	7/14/1993	17:02	0.3	30	11.5	243
1993	2	105	4	4	97	42	7.68	73	55.13	7/14/1993	16:21	0.3	28.2	7.1	243
1993	2	105	4	4	98	42	7.33	73	55.3	7/14/1993	16:32	0.3	28.9	9.1	244
1993	2	106	4	4	96	42	8.147	73	54.796	7/14/1993	16:00	0.3	28.2	8.3	254
1993	2	107	4	4	95	42	8.94	73	54.32	7/14/1993	15:47	0.3	28.2	7.6	243
1993	2	108	6	4	94	42	9.56	73	53.18	7/14/1993	15:08	0.3	28.8	11.8	280
1993	2	109	6	4	93	42	9.91	73	52.81	7/14/1993	14:55	0.3	28.6	12.2	276
1993	2	111	6	4	89					7/14/1993	14:33	0.3	28.8	7.7	235

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1993	2	112	4	4	88	42	12.69	73	51.26	7/14/1993	14:17	0.3	28.5	9.2	237
1993	2	113	4	3	86	42	13.12	73	51.33	7/14/1993	14:06	0.3	28	6.6	234
1993	2	114	4	4	83	42	14.26	73	50.71	7/14/1993	13:52	0.3	28.8	6.6	229
1993	2	116	6	4	77	42	15.02	73	48.31	7/14/1993	13:30	0.3	28.6	6.4	230
1993	2	117	4	4	76	42	15.84	73	47.69	7/14/1993	13:19	0.3	29.1	7.8	231
1993	2	119	4	3	70	42	17.317	73	47.373	7/14/1993	12:49	0.3	28.7	8	234
1993	2	119	4	3	72	42	16.82	73	47.28	7/14/1993	13:00	0.3	28.4	7.3	234
1993	2	119	6	4	71	42	17.16	73	46.8	7/14/1993	13:08	0.3	29	7.9	250
1993	2	121	4	2	65	42	19.307	73	47.217	7/14/1993	12:24	0.3	28.2	6.3	239
1993	2	121	6	2	67	42	18.82	73	46.89	7/14/1993	12:37	0.3	27.5	6.6	246
1993	2	122	4	2	61	42	20.29	73	47.24	7/14/1993	12:11	0.3	28	6.1	249
1993	2	123	4	2	59					7/14/1993	11:53	0.3	28.7	6.9	240
1993	2	123	4	2	60	42	20.64	73	47.39	7/14/1993	12:02	0.3	29	7.3	241
1993	2	124	4	2	55	42	21.64	73	47.62	7/14/1993	11:35	0.3	29	7.3	233
1993	2	124	6	2	57	42	21.28	73	47.32	7/14/1993	11:42	0.3	27.8	6.5	241
1993	2	128	6	2	43	42	25.02	73	46.62	7/14/1993	11:14	0.3	28.8	6.8	226
1993	2	129	6	2	38	42	26.05	73	46.82	7/14/1993	11:04	0.3	28	6	228
1993	2	131	4	2	33	42	28.06	73	47.13	7/14/1993	10:49	0.3	28.2	6.3	222
1993	2	132	4	2	32	42	28.13	73	47.21	7/14/1993	10:38	0.3	29	6.1	214
1993	2	134	4	2	28	42	30.027	73	46.913	7/14/1993	10:22	0.3	28	7.3	227
1993	2	138	4	2	21	42	33.51	73	45.33	7/14/1993	9:43	0.3	28.1	7.3	217
1993	2	138	4	2	22	42	33.36	73	45.42	7/14/1993	9:56	0.3	27.9	7.5	225
1993	2	139	4	1	15	42	34.32	73	45.25	7/14/1993	8:54	0.3	27.2	5.6	219
1993	2	139	4	1	16	42	34.31	73	45.21	7/14/1993	9:09	0.3	26.9	6.1	218
1993	2	139	6	2	17	42	34.22	73	45.02	7/14/1993	9:30	0.3	28	6	208
1993	2	140	4	1	10					7/14/1993	8:23	0.3	27.1	6.6	200
1993	2	140	6	1	11					7/14/1993	8:39	0.3	27.5	5.8	222
1993	3	15	4	4	263	40	54.252	73	55.961	7/26/1993	11:40	0.3	24.3	7.2	20110
1993	3	16	4	4	262	40	54.9	73	55.7	7/26/1993	11:20	0.3	24.4	6.9	20573
1993	3	23	6	4	254	41	1.086	73	52.681	7/26/1993	12:10	0.3	24.9	7.6	17867
1993	3	24	6	2	252	41	2.057	73	52.505	7/26/1993	12:23	0.3	25.1	7.5	17893
1993	3	25	4	4	250	41	2.86	73	55.07	7/26/1993	10:31	0.3	24.1	8.6	16743
1993	3	25	4	4	270	41	2.783	73	55.05	7/26/1993	10:45	0.3	24.4	8.4	16942
1993	3	26	4	4	246	41	3.6	73	55.2	7/26/1993	10:16	0.3	23.9	9.5	16506
1993	3	26	6	2	248	41	3.273	73	52.221	7/26/1993	13:17	0.3	25.5	8.2	16564
1993	3	26	6	2	249	41	2.67	73	52.3	7/26/1993	12:40	0.3	25.1	8.2	16899
1993	3	28	6	2	243	41	5.683	73	52.214	7/26/1993	13:35	0.3	25.3	8.1	15939
1993	3	31	4	4	283	41	8.34	73	54.4	7/26/1993	9:54	0.3	24.1	8.2	15119
1993	3	32	4	4	239	41	8.81	73	54.6	7/26/1993	9:30	0.3	24.1	8.2	14713
1993	3	32	4	4	240	41	8.48	73	54.42	7/26/1993	9:42	0.3	24.1	8.2	15018
1993	3	32	6	2	238	41	8.85	73	52.123	7/26/1993	14:03	0.3	25.9	9	13789
1993	3	34	6	2	234	41	10.19	73	53.93	7/26/1993	14:21	0.3	25.1	9.1	13917
1993	3	35	4	4	230	41	10.59	73	56.39	7/26/1993	9:09	0.3	24.8	8	12403

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1993	3	35	6	2	231	41	11.23	73	53.69	7/26/1993	15:18	0.3	25.9	11	13691
1993	3	35	6	2	232	41	11.172	73	53.996	7/26/1993	14:38	0.3	25.6	9.6	13775
1993	3	35	6	2	274	41	11.17	73	53.71	7/26/1993	15:00	0.3	25.5	10	14296
1993	3	35	6	2	275	41	11.31	73	53.54	7/26/1993	15:28	0.3	25.8	11	13719
1993	3	38	4	4	280	41	13.4	73	57.81	7/26/1993	8:48	0.3	25.1	7.8	11432
1993	3	40	4	2	214	41	14.31	73	58.5	7/26/1993	15:51	0.3	24.7	9.3	11225
1993	3	40	6	2	212					7/26/1993	16:07	0.3	25.4	8.3	11856
1993	3	43	6	2	202	41	17.12	73	55.98	7/26/1993	16:29	0.3	25	7.7	9563
1993	3	49	4	2	196	41	21.16	73	57.74	7/28/1993	18:07	0.3	25.9	6.9	5476
1993	3	52	6	2	193	41	24.12	73	57.31	7/28/1993	17:44	0.3	25.7	7	4075
1993	3	53	4	2	192	41	24.19	73	57.95	7/28/1993	17:30	0.3	25.9	7.1	3990
1993	3	58	4	4	183	41	28.02	74	0.87	7/28/1993	16:54	0.3	28.5	10.1	2922
1993	3	58	6	4	182	41	28.2	73	59.12	7/28/1993	17:08	0.3	28.1	8	3170
1993	3	61	4	4	174	41	31.15	74	0.37	7/28/1993	16:32	0.3	27.9	7.4	1596
1993	3	62	4	4	173	41	31.59	74	0.28	7/28/1993	16:20	0.3	28	7.4	1518
1993	3	63	4	4	166					7/28/1993	16:04	0.3	28.9	8.1	1564
1993	3	66	6	4	161	41	34.88	73	56.84	7/28/1993	15:39	0.3	27.4	9.3	1062
1993	3	69	4	4	155	41	37.44	73	57.43	7/28/1993	14:55	0.3	27.3	8.8	460
1993	3	69	6	4	156	41	37.03	73	56.88	7/28/1993	15:12	0.3	26.1	6.9	468
1993	3	69	6	4	157	41	36.97	73	56.85	7/28/1993	15:20	0.3	26.1	6.7	467
1993	3	73	6	4	150	41	40.28	73	56.49	7/28/1993	14:19	0.3	26.9	8.2	388
1993	3	76	4	4	144					7/28/1993	13:48	0.3	26	6.8	254
1993	3	77	6	4	140	41	44.56	73	56.17	7/28/1993	12:51	0.3	26.6	7.4	270
1993	3	77	6	4	141	41	44.46	73	56.21	7/28/1993	13:12	0.3	26.5	7.3	270
1993	3	77	6	4	143	41	43.83	73	56.16	7/28/1993	13:28	0.3	26.5	6.6	266
1993	3	81	4	4	135	41	47.474	73	57.457	7/28/1993	12:20	0.3	27	8.3	251
1993	3	83	4	2	131	41	49.33	73	57.31	7/28/1993	11:44	0.3	26.5	8.3	256
1993	3	83	4	2	133	41	48.74	73	57.19	7/28/1993	12:02	0.3	26.3	7.3	251
1993	3	84	4	2	129	41	50.61	73	57.28	7/28/1993	11:17	0.3	26.2	8.2	258
1993	3	84	6	2	130	41	50.19	73	56.63	7/28/1993	11:30	0.3	26.2	7.4	253
1993	3	86	4	2	126	41	51.44	73	56.97	7/28/1993	10:49	0.3	25.9	8.2	256
1993	3	86	6	2	125	41	51.75	73	55.89	7/28/1993	10:35	0.3	25.2	7.5	278
1993	3	88	6	2	122	41	53.023	73	56.214	7/28/1993	10:22	0.3	25	7.1	279
1993	3	89	6	2	121	41	53.84	73	57.04	7/28/1993	10:09	0.3	25	8	279
1993	3	91	6	2	119	41	55.847	73	56.774	7/28/1993	9:52	0.3	25.1	7.6	297
1993	3	92	4	2	118	41	56.32	73	58.1	7/28/1993	7:52	0.3	24.1	7.2	344
1993	3	93	4	2	116	41	57.05	73	57.77	7/28/1993	8:05	0.3	24	7.7	376
1993	3	93	6	2	117	41	57.036	73	56.721	7/28/1993	9:36	0.3	24.5	7.4	302
1993	3	94	4	2	113	41	58.38	73	57.25	7/28/1993	8:29	0.3	24.2	8	314
1993	3	94	4	2	115	41	57.78	73	57.47	7/28/1993	8:16	0.3	23.8	7.2	317
1993	3	94	6	2	114	41	58.085	73	56.467	7/28/1993	9:10	0.3	24.4	7.4	302
1993	3	95	4	2	111	41	59.083	73	57.079	7/28/1993	8:40	0.3	24.4	8	303
1993	3	96	4	2	105	42	0.22	73	56.65	7/27/1993	18:20	0.3	24.6	8.3	341

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1993	3	96	4	2	108	41	59.76	73	56.81	7/27/1993	18:35	0.3	24.5	8	332
1993	3	96	4	2	110	41	59.4	73	56.94	7/28/1993	8:58	0.3	24.3	7.9	303
1993	3	97	4	2	102	42	0.83	73	56.38	7/27/1993	17:54	0.3	25.8	9.5	363
1993	3	97	4	2	103	42	0.5	73	56.51	7/27/1993	18:08	0.3	25.6	8.4	364
1993	3	98	4	2	100	42	1.67	73	56.54	7/27/1993	17:21	0.3	24.6	8.8	321
1993	3	98	4	2	101	42	1.426	73	56.456	7/27/1993	17:34	0.3	24.3	8.8	323
1993	3	99	6	4	99	42	2.02	73	55.73	7/27/1993	17:03	0.3	24.8	8.4	320
1993	3	105	4	4	97	42	7.68	73	55.13	7/27/1993	16:20	0.3	25	8.4	319
1993	3	105	4	4	98	42	7.33	73	55.3	7/27/1993	16:35	0.3	24.5	9.5	302
1993	3	106	4	4	96	42	8.147	73	54.796	7/27/1993	16:05	0.3	24.5	8.4	352
1993	3	112	4	4	88	42	12.69	73	51.26	7/27/1993	15:38	0.3	25	8.5	319
1993	3	113	6	4	87	42	13.32	73	50.85	7/27/1993	15:22	0.3	24.7	8.1	346
1993	3	114	4	4	83	42	14.26	73	50.71	7/27/1993	14:59	0.3	24.6	7.2	372
1993	3	114	6	4	85	42	13.54	73	50.75	7/27/1993	15:10	0.3	24.7	7.6	351
1993	3	115	6	4	79	42	14.8	73	49	7/27/1993	14:30	0.3	24.6	7.2	311
1993	3	116	4	4	78					7/27/1993	14:42	0.3	24.6	8.6	341
1993	3	117	4	4	76	42	15.84	73	47.69	7/27/1993	14:15	0.3	24.3	8.2	278
1993	3	119	4	4	72	42	16.82	73	47.28	7/27/1993	14:02	0.3	24.4	7.8	285
1993	3	119	6	4	69	42	17.29	73	46.78	7/27/1993	13:47	0.3	24.4	8	291
1993	3	121	4	4	65	42	19.307	73	47.217	7/27/1993	13:11	0.3	24.5	7.9	337
1993	3	121	6	4	66	42	19.33	73	46.85	7/27/1993	13:20	0.3	24.4	7.3	302
1993	3	121	6	4	67	42	18.82	73	46.89	7/27/1993	13:29	0.3	24.5	7.7	312
1993	3	122	4	4	61	42	20.29	73	47.24	7/27/1993	12:40	0.3	24.5	7.5	317
1993	3	122	6	4	62	42	20.105	73	46.848	7/27/1993	12:49	0.3	24.6	7.3	336
1993	3	122	6	4	64	42	19.9	73	46.8	7/27/1993	13:01	0.3	24.5	7.4	290
1993	3	123	4	2	60	42	20.64	73	47.39	7/27/1993	12:28	0.3	24.5	7.5	267
1993	3	124	4	2	55	42	21.64	73	47.62	7/27/1993	11:17	0.3	24	8.1	341
1993	3	124	6	2	56	42	21.49	73	47.29	7/27/1993	11:27	0.3	24.3	8	328
1993	3	124	6	2	57	42	21.28	73	47.32	7/27/1993	11:38	0.3	24.4	7.2	324
1993	3	125	6	2	54	42	22.034	73	47.302	7/27/1993	11:07	0.3	24.1	7.7	336
1993	3	126	4	2	49	42	23.4	73	47.52	7/27/1993	10:43	0.3	24.3	7.4	349
1993	3	126	4	2	50	42	23.21	73	47.62	7/27/1993	10:54	0.3	24.1	7.7	340
1993	3	128	4	2	44	42	25	73	46.99	7/27/1993	10:24	0.3	23.8	8	362
1993	3	129	6	2	40	42	25.67	73	46.67	7/27/1993	10:15	0.3	24.3	7.4	364
1993	3	132	4	2	30					7/27/1993	9:58	0.3	24.2	7.6	354
1993	3	134	4	2	27	42	30.17	73	46.88	7/27/1993	9:45	0.3	24.7	7.2	371
1993	3	138	4	2	20	42	33.5	73	45.35	7/27/1993	9:24	0.3	23.4	7.6	340
1993	3	139	4	2	15	42	34.32	73	45.25	7/27/1993	8:54	0.3	23	7.3	301
1993	3	139	4	2	16	42	34.31	73	45.21	7/27/1993	9:07	0.3	23	7.3	302
1993	3	140	4	2	10					7/27/1993	8:37	0.3	24	7.4	306
1993	3	140	4	2	13	42	34.59	73	45.25	7/27/1993	8:44	0.3	24	7.4	305
1993	4	14	4	2	265					8/11/1993	13:23	0.3	24.9	9.2	18865
1993	4	14	4	2	266	40	52.925	73	56.648	8/11/1993	13:38	0.3	24.8	9	18804

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1993	4	15	4	2	263	40	54.252	73	55.961	8/11/1993	13:04	0.3	24.8	8.7	17004
1993	4	19	6	2	259	40	57.735	73	53.561	8/11/1993	14:04	0.3	24.9	8.9	17767
1993	4	21	6	2	257	40	59.13	73	53.13	8/11/1993	14:26	0.3	25.2	9.8	17361
1993	4	24	6	2	253	41	1.169	73	52.711	8/11/1993	14:45	0.3	25.4	10.1	15017
1993	4	25	4	4	250	41	2.86	73	55.07	8/11/1993	12:27	0.3	25.8	10.7	14797
1993	4	25	6	2	251	41	2.46	73	52.42	8/11/1993	15:05	0.3	25.3	8.9	14751
1993	4	26	4	2	246	41	3.6	73	55.2	8/9/1993	12:20	0.3	25.3	8	14949
1993	4	26	4	2	271	41	3.77	73	55.22	8/9/1993	12:06	0.3	25.2	7.8	15575
1993	4	26	4	2	285	41	3.607	73	55.196	8/9/1993	12:50	0.3	25.2	9.1	15476
1993	4	26	4	4	271	41	3.77	73	55.22	8/11/1993	11:51	0.3	25.8	9.1	14601
1993	4	26	4	4	285	41	3.607	73	55.196	8/11/1993	12:07	0.3	25.7	9.5	14729
1993	4	26	6	2	249	41	2.67	73	52.3	8/11/1993	15:18	0.3	25.5	10	14789
1993	4	27	4	2	245	41	4.19	73	55.21	8/9/1993	11:45	0.3	25.4	8.1	15413
1993	4	28	6	2	243	41	5.683	73	52.214	8/9/1993	13:31	0.3	26.3	8.8	13968
1993	4	28	6	2	244	41	5.33	73	52.33	8/9/1993	13:15	0.3	25.1	8.1	14712
1993	4	28	6	2	243	41	5.683	73	52.214	8/11/1993	15:38	0.3	25.9	10.7	12615
1993	4	29	4	4	242	41	6.1	73	54.88	8/9/1993	11:05	0.3	25.2	8.4	14087
1993	4	30	4	4	241	41	7.14	73	54.77	8/9/1993	10:27	0.3	24.7	9.1	14032
1993	4	31	4	4	283	41	8.34	73	54.4	8/9/1993	10:05	0.3	24.6	7.2	12855
1993	4	32	4	4	239	41	8.81	73	54.6	8/9/1993	9:35	0.3	24.5	6.9	12278
1993	4	32	4	4	239	41	8.81	73	54.6	8/11/1993	11:06	0.3	25.8	8.1	11269
1993	4	32	4	4	240	41	8.48	73	54.42	8/11/1993	11:22	0.3	25.9	8.6	11442
1993	4	32	6	2	269	41	9.445	73	52.243	8/9/1993	13:56	0.3	25.7	7.6	12765
1993	4	32	6	2	237	41	9.274	73	52.181	8/11/1993	16:17	0.3	25.9	9.9	10953
1993	4	32	6	2	238	41	8.85	73	52.123	8/11/1993	16:01	0.3	25.7	9.5	11489
1993	4	33	6	2	236	41	9.79	73	52.202	8/9/1993	14:13	0.3	24.9	7.4	12776
1993	4	33	6	2	236	41	9.79	73	52.202	8/11/1993	16:30	0.3	26	10	11614
1993	4	34	6	2	233	41	10.662	73	53.922	8/11/1993	17:08	0.3	26.4	11.1	10455
1993	4	34	6	2	235	41	10.632	73	52.59	8/11/1993	16:44	0.3	26.3	14.7	11640
1993	4	35	4	2	230	41	10.59	73	56.39	8/12/1993	15:18	0.3	25.4	8.8	9682
1993	4	35	4	2	277	41	10.95	73	57.06	8/12/1993	15:04	0.3	25.2	8.9	9623
1993	4	35	6	4	232	41	11.172	73	53.996	8/11/1993	17:28	0.3	24.8	10.7	11002
1993	4	35	6	2	275	41	11.31	73	53.54	8/11/1993	17:43	0.3	26.1	13.1	11200
1993	4	36	4	4	281	41	11.13	73	57.16	8/11/1993	10:42	0.3	25.8	9.5	9701
1993	4	36	4	2	227	41	11.02	73	57.41	8/12/1993	14:56	0.3	25.2	8.9	9623
1993	4	36	4	2	282	41	11.2	73	57.17	8/12/1993	14:43	0.3	25.6	7.9	9840
1993	4	38	4	4	278	41	12.96	73	57.828	8/11/1993	10:08	0.3	25.9	7.8	8997
1993	4	38	4	4	280	41	13.4	73	57.81	8/11/1993	9:53	0.3	25.5	8	9071
1993	4	38	4	4	222	41	12.979	73	57.867	8/12/1993	14:10	0.3	25	8	9164
1993	4	38	4	4	223	41	12.89	73	57.806	8/12/1993	14:21	0.3	25	8	9164
1993	4	38	6	2	220					8/12/1993	15:36	0.3	25.9	8.3	9877
1993	4	40	4	4	209	41	14.97	73	58	8/11/1993	8:27	0.3	25.8	6.5	8819
1993	4	40	6	4	211	41	14.88	73	57.6	8/11/1993	8:42	0.3	25.7	6.5	8739

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1993	4	40	6	4	213	41	14.64	73	57.15	8/11/1993	8:56	0.3	25.4	6.9	9682
1993	4	43	6	4	205	41	16.413	73	56.551	8/11/1993	7:15	0.3	24.6	6.9	7532
1993	4	46	6	4	199	41	19.42	73	58.77	8/11/1993	7:57	0.3	25.2	6.3	7043
1993	4	49	4	4	196	41	21.16	73	57.74	8/12/1993	13:25	0.3	25	6.9	6176
1993	4	52	6	4	193	41	24.12	73	57.31	8/12/1993	13:01	0.3	25.1	6.9	5070
1993	4	53	4	4	192	41	24.19	73	57.95	8/12/1993	12:33	0.3	24.9	6.9	4322
1993	4	54	6	4	190	41	24.961	73	57.702	8/12/1993	12:11	0.3	25	7	4632
1993	4	55	6	4	189	41	25.66	73	58.14	8/12/1993	11:48	0.3	24.9	6.9	4292
1993	4	56	4	4	188	41	26.47	73	59.66	8/12/1993	11:20	0.3	24.8	7.4	3301
1993	4	58	4	4	183	41	28.02	74	0.87	8/12/1993	10:58	0.3	24.7	7.5	2105
1993	4	59	6	2	179	41	29.24	73	59.34	8/12/1993	7:29	0.3	24	7	2695
1993	4	59	6	2	180	41	29.08	73	59.37	8/12/1993	7:17	0.3	24.2	6.6	2683
1993	4	60	6	2	176	41	29.57	73	59.06	8/12/1993	7:55	0.3	24.1	6.7	2689
1993	4	61	4	4	174	41	31.15	74	0.37	8/12/1993	10:31	0.3	25.4	7	1304
1993	4	62	4	4	171	41	32.19	73	59.91	8/12/1993	10:16	0.3	25.6	6.7	1230
1993	4	66	4	2	160	41	34.777	73	57.753	8/12/1993	9:39	0.3	25.6	6.6	600
1993	4	69	6	2	157	41	36.97	73	56.85	8/12/1993	8:38	0.3	25.1	6.6	596
1993	4	69	6	2	158	41	36.94	73	56.81	8/12/1993	8:26	0.3	25.2	6.6	595
1993	4	73	6	2	150	41	40.28	73	56.49	8/12/1993	9:00	0.3	24.9	6.6	344
1993	4	77	6	2	141	41	44.46	73	56.21	8/10/1993	19:04	0.3	25.1	7.4	257
1993	4	77	6	2	142	41	43.92	73	56.14	8/10/1993	19:12	0.3	25.2	6.8	263
1993	4	81	4	2	135	41	47.474	73	57.457	8/10/1993	18:47	0.3	25.3	9.2	248
1993	4	83	4	2	131	41	49.33	73	57.31	8/10/1993	18:20	0.3	24.8	7.6	252
1993	4	83	4	2	133	41	48.74	73	57.19	8/10/1993	18:35	0.3	24.5	7.5	252
1993	4	86	4	2	124	41	51.95	73	56.84	8/10/1993	17:43	0.3	25.7	10.7	245
1993	4	86	4	2	126	41	51.44	73	56.97	8/10/1993	17:58	0.3	24.7	8.4	251
1993	4	88	6	2	122	41	53.023	73	56.214	8/10/1993	17:28	0.3	26.1	9.2	259
1993	4	89	6	2	121	41	53.84	73	57.04	8/10/1993	17:15	0.3	25.3	8.3	248
1993	4	92	4	2	118	41	56.32	73	58.1	8/10/1993	16:54	0.3	25.9	10.8	257
1993	4	94	6	2	114	41	58.085	73	56.467	8/10/1993	16:33	0.3	26.4	10.4	237
1993	4	95	6	2	112	41	58.238	73	56.123	8/10/1993	16:17	0.3	26.4	11.3	233
1993	4	97	4	2	102	42	0.83	73	56.38	8/10/1993	15:35	0.3	26.1	8.8	234
1993	4	97	4	2	103	42	0.5	73	56.51	8/10/1993	15:52	0.3	27.8	8.4	235
1993	4	98	4	4	100	42	1.67	73	56.54	8/10/1993	14:57	0.3	26.5	9.3	237
1993	4	98	4	2	101	42	1.426	73	56.456	8/10/1993	15:14	0.3	26.4	9.2	237
1993	4	99	6	4	99	42	2.02	73	55.73	8/10/1993	14:32	0.3	28.1	11.5	234
1993	4	105	4	4	97	42	7.68	73	55.13	8/10/1993	13:39	0.3	25.5	7.7	238
1993	4	105	4	4	98	42	7.33	73	55.3	8/10/1993	13:53	0.3	25.6	7.6	235
1993	4	112	4	4	88	42	12.69	73	51.26	8/10/1993	12:55	0.3	26.3	8.5	234
1993	4	113	4	4	86	42	13.12	73	51.33	8/10/1993	12:14	0.3	25.3	7.3	233
1993	4	113	6	4	87	42	13.32	73	50.85	8/10/1993	12:30	0.3	25.4	7.9	236
1993	4	114	6	4	84	42	14.02	73	50.18	8/10/1993	11:50	0.3	25.1	7.2	235
1993	4	114	6	4	85	42	13.54	73	50.75	8/10/1993	12:02	0.3	25.2	7.2	233

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1993	4	116	6	4	77	42	15.02	73	48.31	8/10/1993	11:19	0.3	25.3	7.4	237
1993	4	118	4	4	75	42	16.12	73	47.49	8/10/1993	10:59	0.3	25.3	7.6	238
1993	4	119	4	4	70	42	17.317	73	47.373	8/10/1993	10:42	0.3	25.3	7.1	238
1993	4	121	4	4	68	42	18.53	73	47.1	8/10/1993	10:25	0.3	25	6.5	239
1993	4	121	6	4	66	42	19.33	73	46.85	8/10/1993	10:14	0.3	25	6.7	244
1993	4	128	4	2	44	42	25	73	46.99	8/10/1993	9:48	0.3	24.7	6.1	239
1993	4	129	6	2	40	42	25.67	73	46.67	8/10/1993	9:33	0.3	24.9	6.1	240
1993	4	129	6	2	42	42	25.226	73	46.523	8/10/1993	9:18	0.3	25	6.2	238
1993	4	130	6	2	36					8/10/1993	9:03	0.3	24.7	6.2	245
1993	4	131	4	2	35	42	27.8	73	47.1	8/10/1993	8:47	0.3	24.1	6.1	244
1993	4	132	4	4	32	42	28.13	73	47.21	8/10/1993	8:30	0.3	24.5	6.6	240
1993	4	133	4	2	29	42	29.09	73	47.273	8/10/1993	8:11	0.3	24.5	6.6	230
1993	5	15	4	1	263	40	54.252	73	55.961	8/25/1993	13:00	0.3	26.4	6.8	18392
1993	5	16	4	1	262	40	54.9	73	55.7	8/25/1993	12:46	0.3	26.3	6.6	18430
1993	5	20	6	1	258	40	57.73	73	53.661	8/25/1993	13:26	0.3	26.6	7.3	16582
1993	5	23	6	1	254	41	1.086	73	52.681	8/25/1993	13:54	0.3	26.7	7.4	15394
1993	5	23	6	1	255	41	0.74	73	52.83	8/25/1993	13:40	0.3	26.7	7.6	16163
1993	5	24	6	1	252	41	2.057	73	52.505	8/25/1993	14:17	0.3	27.3	8	15207
1993	5	24	6	1	253	41	1.169	73	52.711	8/25/1993	14:04	0.3	26.9	7.3	14373
1993	5	25	4	3	250	41	2.86	73	55.07	8/25/1993	11:52	0.3	26.5	8.3	16906
1993	5	25	4	3	270	41	2.783	73	55.05	8/25/1993	12:06	0.3	27	8.7	16256
1993	5	25	6	1	251	41	2.46	73	52.42	8/25/1993	14:35	0.3	27	7.5	15204
1993	5	26	4	3	246	41	3.6	73	55.2	8/25/1993	11:16	0.3	26.3	9.5	16005
1993	5	26	4	3	271	41	3.77	73	55.22	8/25/1993	11:08	0.3	25.4	7	16401
1993	5	26	4	3	285	41	3.607	73	55.196	8/25/1993	11:39	0.3	26.3	8.4	16490
1993	5	26	6	1	247	41	3.891	73	52.077	8/25/1993	15:01	0.3	27.5	8.1	15145
1993	5	26	6	1	248	41	3.273	73	52.221	8/25/1993	14:54	0.3	26.9	7.4	15044
1993	5	26	6	1	249	41	2.67	73	52.3	8/25/1993	14:44	0.3	26.8	7.3	14786
1993	5	27	4	3	245	41	4.19	73	55.21	8/25/1993	10:53	0.3	25.4	7.3	16203
1993	5	27	4	3	272	41	4.49	73	55.14	8/25/1993	10:34	0.3	25.5	7.4	15775
1993	5	28	6	1	243	41	5.683	73	52.214	8/25/1993	15:30	0.3	27.6	7.8	14075
1993	5	28	6	1	244	41	5.33	73	52.33	8/25/1993	15:20	0.3	27.6	7.8	14075
1993	5	29	4	1	242	41	6.1	73	54.88	8/25/1993	10:08	0.3	25.2	8.1	15079
1993	5	30	4	1	241	41	7.14	73	54.77	8/25/1993	9:59	0.3	25.1	8.4	14911
1993	5	31	4	1	283	41	8.34	73	54.4	8/25/1993	9:44	0.3	25.4	7.1	13338
1993	5	32	4	3	239	41	8.81	73	54.6	8/24/1993	10:16	0.3	24	7.4	13320
1993	5	32	4	1	239	41	8.81	73	54.6	8/25/1993	9:17	0.3	25	7.2	13448
1993	5	32	4	1	239	41	8.81	73	54.6	8/25/1993	9:35	0.3	25.4	7.2	13832
1993	5	32	6	1	237	41	9.274	73	52.181	8/25/1993	15:58	0.3	28.2	7.8	12225
1993	5	32	6	1	238	41	8.85	73	52.123	8/25/1993	15:46	0.3	28.3	8.2	13039
1993	5	32	6	1	269	41	9.445	73	52.243	8/25/1993	16:13	0.3	28.1	7.4	12157
1993	5	34	6	1	235	41	10.632	73	52.59	8/25/1993	14:29	0.3	30.2	9.8	13264
1993	5	35	4	3	229	41	10.59	73	56.41	8/24/1993	9:31	0.3	23.7	7.6	11254

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1993	5	35	4	3	230	41	10.59	73	56.39	8/24/1993	9:42	0.3	24	7.1	11693
1993	5	35	4	3	277	41	10.95	73	57.06	8/24/1993	9:15	0.3	24.2	6.6	11038
1993	5	35	6	1	232	41	11.172	73	53.996	8/25/1993	16:47	0.3	29.6	10.1	12609
1993	5	35	6	1	274	41	11.17	73	53.71	8/25/1993	16:58	0.3	29.9	10	12533
1993	5	36	4	3	226	41	11.8	73	57.5	8/24/1993	8:36	0.3	24.2	6.5	11341
1993	5	36	4	3	281	41	11.13	73	57.16	8/24/1993	9:04	0.3	24.1	6.6	11060
1993	5	36	4	3	282	41	11.2	73	57.17	8/24/1993	8:49	0.3	24	6.9	11388
1993	5	38	4	3	221	41	13.43	73	57.79	8/24/1993	7:07	0.3	24.9	6.7	11778
1993	5	38	4	3	222	41	12.979	73	57.867	8/24/1993	7:25	0.3	24.9	6.7	11778
1993	5	38	4	3	223	41	12.89	73	57.806	8/24/1993	7:53	0.3	24.7	6.5	11526
1993	5	38	4	3	278	41	12.96	73	57.828	8/24/1993	7:40	0.3	25	7	11854
1993	5	38	4	3	280	41	13.4	73	57.81	8/24/1993	8:08	0.3	24.6	6.8	11550
1993	5	39	6	1	217	41	14.098	73	56.682	8/25/1993	17:22	0.3	28.4	8	10689
1993	5	40	6	1	211	41	14.88	73	57.6	8/25/1993	17:33	0.3	29.1	9.2	9622
1993	5	43	6	1	202	41	17.12	73	55.98	8/26/1993	7:10	0.3	25.5	6.3	8282
1993	5	43	6	1	204	41	16.693	73	56.484	8/26/1993	6:52	0.3	25.7	6.7	7266
1993	5	46	6	1	199	41	19.42	73	58.77	8/26/1993	7:26	0.3	24.6	6.3	5222
1993	5	49	4	1	196	41	21.16	73	57.74	8/26/1993	7:42	0.3	25.1	6.4	4106
1993	5	52	6	1	193	41	24.12	73	57.31	8/26/1993	8:11	0.3	25.2	6.7	3472
1993	5	52	6	1	194	41	24.12	73	56.81	8/26/1993	8:01	0.3	25.2	6.8	3462
1993	5	53	4	1	192	41	24.19	73	57.95	8/26/1993	8:30	0.3	25.2	7.3	3175
1993	5	55	6	3	189	41	25.66	73	58.14	8/26/1993	8:43	0.3	24.8	7.8	2911
1993	5	57	4	3	185	41	27.68	74	0.73	8/26/1993	9:14	0.3	25.3	7.2	1584
1993	5	57	4	3	186	41	27.28	74	0.8	8/26/1993	9:04	0.3	25.4	7.1	1591
1993	5	58	4	3	183	41	28.02	74	0.87	8/26/1993	9:36	0.3	25.2	7.1	1488
1993	5	58	4	3	184	41	27.78	74	0.7	8/26/1993	9:23	0.3	25.2	7	1538
1993	5	59	6	3	180	41	29.08	73	59.37	8/26/1993	10:00	0.3	25.8	7.2	1862
1993	5	61	4	3	174	41	31.15	74	0.37	8/26/1993	10:29	0.3	26.3	6.7	1164
1993	5	62	4	3	171	41	32.19	73	59.91	8/29/1993	10:44	0.3	26.6	7.3	1032
1993	5	64	4	3	164	41	33.37	73	59.18	8/26/1993	11:00	0.3	26.6	8.1	781
1993	5	69	4	3	155	41	37.44	73	57.43	8/26/1993	11:58	0.3	26.6	8.4	407
1993	5	69	6	3	157	41	36.97	73	56.85	8/26/1993	11:40	0.3	26.4	7.6	474
1993	5	69	6	3	158	41	36.94	73	56.81	8/26/1993	11:28	0.3	26.5	7.1	493
1993	5	77	6	3	140	41	44.56	73	56.17	8/26/1993	15:30	0.3	26.4	7.5	290
1993	5	77	6	3	141	41	44.46	73	56.21	8/26/1993	15:39	0.3	26.9	7.5	288
1993	5	78	6	3	138	41	45.18	73	56.22	8/26/1993	15:08	0.3	27.8	8.4	292
1993	5	83	4	3	133	41	48.74	73	57.19	8/26/1993	14:47	0.3	26.9	7.9	286
1993	5	84	4	3	129	41	50.61	73	57.28	8/26/1993	14:19	0.3	25.6	8.1	292
1993	5	86	4	3	126	41	51.44	73	56.97	8/26/1993	13:56	0.3	28.8	9.5	268
1993	5	86	6	3	125	41	51.75	73	55.89	8/26/1993	13:34	0.3	27	8	283
1993	5	88	6	3	122	41	53.023	73	56.214	8/26/1993	13:22	0.3	26	7.9	283
1993	5	89	6	3	121	41	53.84	73	57.04	8/26/1993	13:08	0.3	25.8	7.8	282
1993	5	90	6	3	120	41	54.02	73	57.2	8/26/1993	12:59	0.3	25.6	7.9	283

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1993	5	96	4	1	105	42	0.22	73	56.65	8/23/1993	17:40	0.3	24.8	7.8	249
1993	5	97	4	1	102	42	0.83	73	56.38	8/23/1993	17:17	0.3	26.5	8.9	250
1993	5	97	4	1	103	42	0.5	73	56.51	8/23/1993	17:30	0.3	24.8	8.1	249
1993	5	98	4	1	100	42	1.67	73	56.54	8/23/1993	16:50	0.3	24.8	7.8	250
1993	5	98	4	1	101	42	1.426	73	56.456	8/23/1993	17:03	0.3	24.9	7.8	250
1993	5	99	6	1	99	42	2.02	73	55.73	8/23/1993	16:34	0.3	24.9	7.9	250
1993	5	105	4	1	97	42	7.68	73	55.13	8/23/1993	15:47	0.3	27.8	5.8	249
1993	5	105	4	1	98	42	7.33	73	55.3	8/23/1993	16:04	0.3	26.1	5.4	252
1993	5	106	4	1	96	42	8.147	73	54.796	8/23/1993	15:30	0.3	26	9	332
1993	5	115	6	3	79	42	14.8	73	49	8/23/1993	14:50	0.3	25.5	7.3	257
1993	5	116	6	3	77	42	15.02	73	48.31	8/23/1993	14:30	0.3	26	8.3	254
1993	5	119	6	3	69	42	17.29	73	46.78	8/23/1993	13:50	0.3	26	9.5	228
1993	5	119	6	3	71	42	17.16	73	46.8	8/23/1993	14:06	0.3	26	9.4	229
1993	5	121	4	3	65	42	19.307	73	47.217	8/23/1993	13:05	0.3	26	7.8	244
1993	5	121	6	3	66	42	19.33	73	46.85	8/23/1993	13:20	0.3	26.2	7.6	243
1993	5	121	6	3	67	42	18.82	73	46.89	8/23/1993	13:30	0.3	26.2	7.8	243
1993	5	122	4	3	63	42	19.84	73	47.18	8/23/1993	12:46	0.3	25.5	7.5	246
1993	5	123	4	3	60	42	20.64	73	47.39	8/23/1993	12:30	0.3	22	8.3	261
1993	5	124	6	3	56	42	21.49	73	47.29	8/23/1993	12:00	0.3	25	6.8	219
1993	5	126	4	3	48	42	23.65	73	47.38	8/23/1993	11:42	0.3	24.9	6.8	240
1993	5	129	6	3	39	42	25.879	73	46.76	8/23/1993	10:52	0.3	24.5	6.9	242
1993	5	129	6	3	40	42	25.67	73	46.67	8/23/1993	11:20	0.3	25.1	6.9	214
1993	5	133	4	3	29	42	29.09	73	47.273	8/23/1993	10:31	0.3	24	6.6	253
1993	5	137	6	3	24	42	32.262	73	45.288	8/23/1993	10:07	0.3	24	6.3	254
1993	5	139	4	3	19	42	34.03	73	45.26	8/23/1993	9:48	0.3	23.5	6.8	259
1993	5	139	6	3	17	42	34.22	73	45.02	8/23/1993	9:16	0.3	23.5	6.5	257
1993	6	18	4	1	260	40	56.889	73	55.1	9/7/1993	12:05	0.3	26	6.8	15615
1993	6	19	6	1	259	40	57.735	73	53.561	9/7/1993	12:24	0.3	25.1	6.8	16402
1993	6	20	6	1	258	40	57.73	73	53.661	9/7/1993	12:39	0.3	26	7	15615
1993	6	22	6	1	256	40	59.97	73	53.05	9/7/1993	13:12	0.3	24	7.1	14337
1993	6	23	6	1	255	41	0.74	73	52.83	9/7/1993	13:28	0.3	25.1	7.3	14712
1993	6	24	6	1	252	41	2.057	73	52.505	9/7/1993	14:00	0.3	24.1	7.7	14307
1993	6	24	6	1	253	41	1.169	73	52.711	9/7/1993	13:47	0.3	24.1	7.7	13191
1993	6	25	4	1	250	41	2.86	73	55.07	9/7/1993	11:27	0.3	25	9.4	14045
1993	6	25	4	1	270	41	2.783	73	55.05	9/7/1993	11:40	0.3	24.5	8.9	14089
1993	6	25	6	1	251	41	2.46	73	52.42	9/7/1993	14:16	0.3	24.7	7.8	14232
1993	6	26	4	1	246	41	3.6	73	55.2	9/7/1993	11:06	0.3	24.5	8.1	13989
1993	6	26	4	1	271	41	3.77	73	55.22	9/7/1993	10:57	0.3	24.5	8.1	13888
1993	6	26	4	1	285	41	3.607	73	55.196	9/7/1993	11:15	0.3	24.5	8.1	13989
1993	6	26	6	4	247	41	3.891	73	52.077	9/8/1993	10:36	0.3	23	6.7	15051
1993	6	27	4	1	245	41	4.19	73	55.21	9/7/1993	10:48	0.3	24.4	8.3	13110
1993	6	27	4	3	272	41	4.49	73	55.14	9/7/1993	10:30	0.3	24	7.9	12303
1993	6	27	4	4	272	41	4.49	73	55.14	9/8/1993	10:11	0.3	22	7.2	12824

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1993	6	28	6	4	243	41	5.683	73	52.214	9/8/1993	11:00	0.3	23.5	7.8	13150
1993	6	28	6	4	244	41	5.33	73	52.33	9/8/1993	10:54	0.3	23	7.1	13390
1993	6	29	4	3	242	41	6.1	73	54.88	9/7/1993	10:12	0.3	24	7.8	12202
1993	6	30	4	3	241	41	7.14	73	54.77	9/7/1993	9:55	0.3	24.1	7.7	12075
1993	6	31	4	3	283	41	8.34	73	54.4	9/7/1993	9:42	0.3	24.8	7.1	10502
1993	6	32	4	3	239	41	8.81	73	54.6	9/7/1993	9:15	0.3	24.9	7.1	10081
1993	6	32	4	3	240	41	8.48	73	54.42	9/7/1993	9:36	0.3	24.5	7.6	10567
1993	6	32	4	4	239	41	8.81	73	54.6	9/8/1993	9:50	0.3	23.9	7.3	10189
1993	6	32	6	4	237	41	9.274	73	52.181	9/8/1993	11:30	0.3	23	6.3	11522
1993	6	32	6	4	238	41	8.85	73	52.123	9/8/1993	11:20	0.3	23.6	6.8	11482
1993	6	32	6	4	269	41	9.445	73	52.243	9/8/1993	11:40	0.3	23.1	6.5	11809
1993	6	33	6	4	236	41	9.79	73	52.202	9/8/1993	11:51	0.3	22.9	6.6	11962
1993	6	34	6	4	235	41	10.632	73	52.59	9/8/1993	12:07	0.3	21.7	8.1	11625
1993	6	35	4	4	229	41	10.59	73	56.41	9/8/1993	9:26	0.3	23	7.3	9238
1993	6	35	4	4	230	41	10.59	73	56.39	9/8/1993	9:35	0.3	22.8	6.9	9277
1993	6	35	4	4	277	41	10.95	73	57.06	9/8/1993	8:55	0.3	23	6.6	9238
1993	6	35	6	2	232	41	11.172	73	53.996	9/8/1993	12:29	0.3	23	7.1	10276
1993	6	36	4	4	227	41	11.02	73	57.41	9/8/1993	8:48	0.3	23	6.6	9238
1993	6	36	4	4	281	41	11.13	73	57.16	9/8/1993	9:07	0.3	22.5	6.9	8391
1993	6	36	4	4	282	41	11.2	73	57.17	9/8/1993	9:15	0.3	22.5	6.8	8496
1993	6	38	4	4	221	41	13.43	73	57.79	9/8/1993	8:02	0.3	24	6	8236
1993	6	38	4	4	222	41	12.979	73	57.867	9/8/1993	8:11	0.3	24	6.3	8338
1993	6	38	4	4	223	41	12.89	73	57.806	9/8/1993	8:26	0.3	24	6.4	8236
1993	6	38	4	4	278	41	12.96	73	57.828	9/8/1993	8:20	0.3	23.2	6.3	8373
1993	6	38	4	4	280	41	13.4	73	57.81	9/8/1993	7:52	0.3	23.9	6.1	8253
1993	6	38	6	1	220					9/7/1993	15:20	0.3	26	7.3	9759
1993	6	40	4	1	214	41	14.31	73	58.5	9/7/1993	15:59	0.3	24.7	7.3	8920
1993	6	40	6	1	211	41	14.88	73	57.6	9/7/1993	15:40	0.3	25	6.6	8965
1993	6	40	6	3	213	41	14.64	73	57.15	9/7/1993	16:15	0.3	25	6.7	9762
1993	6	41	6	3	208	41	15.72	73	50.84	9/7/1993	16:40	0.3	25.5	7.1	6902
1993	6	43	6	3	203	41	16.91	73	56.26	9/7/1993	16:50	0.3	24	5.5	6202
1993	6	48	4	2	197	41	20.86	73	58.08	9/8/1993	13:25	0.3	22.5	6.9	4300
1993	6	49	4	2	196	41	21.16	73	57.74	9/8/1993	13:38	0.3	24.8	6.2	3601
1993	6	52	6	2	193	41	24.12	73	57.31	9/8/1993	14:18	0.3	23	6.5	2751
1993	6	52	6	2	194	41	24.12	73	56.81	9/8/1993	14:01	0.3	23	6.6	2803
1993	6	53	4	2	192	41	24.19	73	57.95	9/8/1993	14:45	0.3	24.4	6.6	2471
1993	6	56	4	2	188	41	26.47	73	59.66	9/8/1993	15:07	0.3	23.9	6.5	1630
1993	6	57	4	2	185	41	27.68	74	0.73	9/8/1993	15:55	0.3	22.5	7.1	1521
1993	6	57	4	2	186	41	27.28	74	0.8	9/8/1993	15:31	0.3	22.6	7.2	1465
1993	6	58	4	2	183	41	28.02	74	0.87	9/8/1993	16:19	0.3	23.2	7.3	1489
1993	6	58	4	2	184	41	27.78	74	0.7	9/8/1993	16:05	0.3	22.5	7.1	1363
1993	6	58	6	2	182	41	28.2	73	59.12	9/8/1993	16:39	0.3	22	6.9	1833
1993	6	64	4	4	164	41	33.37	73	59.18	9/9/1993	9:10	0.3	24	7.3	1627

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1993	6	65	4	4	162	41	33.99	73	58.39	9/9/1993	9:26	0.3	24	6.7	610
1993	6	69	4	4	155	41	37.44	73	57.43	9/9/1993	10:20	0.3	24.5	7.2	299
1993	6	69	6	4	158	41	36.94	73	56.81	9/9/1993	10:00	0.3	24.5	6.7	367
1993	6	73	6	4	150	41	40.28	73	56.49	9/9/1993	10:46	0.3	24	7.1	305
1993	6	77	6	4	141	41	44.46	73	56.21	9/9/1993	11:44	0.3	24.2	7.4	263
1993	6	77	6	4	143	41	43.83	73	56.16	9/9/1993	11:25	0.3	24.2	7.2	263
1993	6	81	4	4	135	41	47.474	73	57.457	9/9/1993	12:12	0.3	24	8.5	262
1993	6	83	4	4	133	41	48.74	73	57.19	9/9/1993	12:38	0.3	23.9	7	260
1993	6	84	4	4	129	41	50.61	73	57.28	9/9/1993	13:14	0.3	23.9	7.6	260
1993	6	86	4	4	126	41	51.44	73	56.97	9/9/1993	13:40	0.3	23.9	8.3	256
1993	6	86	6	4	125	41	51.75	73	55.89	9/9/1993	14:02	0.3	23.5	8.7	256
1993	6	89	6	4	121	41	53.84	73	57.04	9/10/1993	17:14	0.3	23	7.9	260
1993	6	92	4	4	118	41	56.32	73	58.1	9/10/1993	16:50	0.3	23	9	270
1993	6	93	4	4	116	41	57.05	73	57.77	9/10/1993	16:34	0.3	23.5	8.2	262
1993	6	96	4	4	105	42	0.22	73	56.65	9/10/1993	15:57	0.3	25.2	8.9	247
1993	6	96	4	4	108	41	59.76	73	56.81	9/10/1993	16:12	0.3	24	8.5	254
1993	6	97	4	4	102	42	0.83	73	56.38	9/10/1993	15:29	0.3	23.2	8.9	258
1993	6	97	4	4	103	42	0.5	73	56.51	9/10/1993	15:50	0.3	24.9	9	249
1993	6	98	4	4	100	42	1.67	73	56.54	9/10/1993	14:58	0.3	24.2	9.2	245
1993	6	98	4	4	101	42	1.426	73	56.456	9/10/1993	15:05	0.3	24.3	9	248
1993	6	99	6	4	99	42	2.02	73	55.73	9/10/1993	14:34	0.3	23.9	8.7	244
1993	6	105	4	4	98	42	7.33	73	55.3	9/10/1993	14:08	0.3	23.8	8.5	251
1993	6	106	4	4	96	42	8.147	73	54.796	9/10/1993	13:55	0.3	23	8.3	288
1993	6	113	4	4	86	42	13.12	73	51.33	9/10/1993	13:21	0.3	23	7.3	258
1993	6	114	4	4	83	42	14.26	73	50.71	9/10/1993	13:05	0.3	23.9	7.3	247
1993	6	115	6	4	79	42	14.8	73	49	9/10/1993	12:48	0.3	23.2	7.3	254
1993	6	119	6	4	69	42	17.29	73	46.78	9/10/1993	12:15	0.3	23.5	7.5	241
1993	6	119	6	4	71	42	17.16	73	46.8	9/10/1993	12:27	0.3	23.5	7.5	241
1993	6	121	4	4	65	42	19.307	73	47.217	9/10/1993	11:48	0.3	23.5	7.3	247
1993	6	121	6	4	66	42	19.33	73	46.85	9/10/1993	12:02	0.3	23	7.4	250
1993	6	122	6	4	62	42	20.105	73	46.848	9/10/1993	11:36	0.3	23.9	6.8	224
1993	6	123	4	2	59					9/10/1993	11:23	0.3	23.5	7.5	247
1993	6	124	6	2	56	42	21.49	73	47.29	9/10/1993	11:01	0.3	23	7.5	255
1993	6	128	4	2	44	42	25	73	46.99	9/10/1993	10:36	0.3	22.1	7.7	254
1993	6	133	4	2	29	42	29.09	73	47.273	9/10/1993	10:06	0.3	23	7.7	248
1993	6	134	4	2	28	42	30.027	73	46.913	9/10/1993	9:51	0.3	23.1	7.8	249
1993	6	139	4	2	19	42	34.03	73	45.26	9/10/1993	9:22	0.3	21.9	7.9	276
1993	6	142	6	2	8	42	36.82	73	45.4	9/10/1993	9:03	0.3	21.3	7.9	441
1993	6	145	6	2	4	42	39.51	73	44.09	9/10/1993	8:22	0.3	22	8	472
1993	6	145	6	2	5	42	39.19	73	44.41	9/10/1993	8:40	0.3	21	7.7	487
1993	7	15	4	1	263	40	54.252	73	55.961	9/20/1993	12:57	0.3	20.9	7.6	20063
1993	7	16	4	1	262	40	54.9	73	55.7	9/20/1993	12:39	0.3	20.8	7.7	19779
1993	7	19	6	1	259	40	57.735	73	53.561	9/20/1993	13:42	0.3	21	6.3	19805

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1993	7	20	6	1	258	40	57.73	73	53.661	9/20/1993	13:59	0.3	21.3	6.6	17422
1993	7	23	6	1	254	41	1.086	73	52.681	9/20/1993	14:20	0.3	21.2	7.2	16489
1993	7	24	6	1	252	41	2.057	73	52.505	9/20/1993	14:45	0.3	21	6.5	16883
1993	7	24	6	1	253	41	1.169	73	52.711	9/20/1993	14:33	0.3	21	7.4	11255
1993	7	25	4	4	250	41	2.86	73	55.07	9/20/1993	11:48	0.3	19.3	8.4	14808
1993	7	25	4	1	270	41	2.783	73	55.05	9/20/1993	11:59	0.3	19	8.4	14677
1993	7	25	6	1	251	41	2.46	73	52.42	9/20/1993	15:03	0.3	21.2	6.7	17135
1993	7	26	4	1	246	41	3.6	73	55.2	9/20/1993	11:15	0.3	19	8.5	14564
1993	7	26	4	1	271	41	3.77	73	55.22	9/20/1993	11:02	0.3	19	8.5	14564
1993	7	26	4	1	285	41	3.607	73	55.196	9/20/1993	11:29	0.3	18.7	8.3	14658
1993	7	26	6	1	247	41	3.891	73	52.077	9/20/1993	15:41	0.3	21.3	7.8	16024
1993	7	26	6	1	248	41	3.273	73	52.221	9/20/1993	15:30	0.3	21.3	8	16131
1993	7	26	6	1	249	41	2.67	73	52.3	9/20/1993	15:15	0.3	21.3	7.4	15916
1993	7	27	4	1	245	41	4.19	73	55.21	9/20/1993	10:49	0.3	19	8.5	14339
1993	7	27	4	4	272	41	4.49	73	55.14	9/20/1993	10:36	0.3	19	8.4	14339
1993	7	28	6	1	243	41	5.683	73	52.214	9/20/1993	15:59	0.3	21.2	8	13902
1993	7	28	6	1	244	41	5.33	73	52.33	9/20/1993	15:53	0.3	21.2	8.2	13902
1993	7	29	4	4	242	41	6.1	73	54.88	9/20/1993	10:15	0.3	18.8	8.7	12246
1993	7	30	4	4	241	41	7.14	73	54.77	9/20/1993	10:07	0.3	18.9	8.6	13464
1993	7	31	4	4	283	41	8.34	73	54.4	9/20/1993	9:53	0.3	21	8	11688
1993	7	32	4	4	239	41	8.81	73	54.6	9/20/1993	9:30	0.3	21.1	8	11015
1993	7	32	4	4	240	41	8.48	73	54.42	9/20/1993	9:47	0.3	21	8	11580
1993	7	32	6	1	237	41	9.274	73	52.181	9/20/1993	16:31	0.3	20.9	8.5	11929
1993	7	32	6	1	238	41	8.85	73	52.123	9/20/1993	16:19	0.3	21	8.2	11904
1993	7	32	6	1	269	41	9.445	73	52.243	9/20/1993	16:48	0.3	21.2	8.4	11747
1993	7	33	6	1	236	41	9.79	73	52.202	9/20/1993	16:57	0.3	21	8.4	11904
1993	7	35	4	1	229	41	10.59	73	56.41	9/21/1993	11:26	0.3	21.7	7	9598
1993	7	35	4	1	230	41	10.59	73	56.39	9/21/1993	11:35	0.3	21.7	7	9492
1993	7	36	4	1	227	41	11.02	73	57.41	9/21/1993	11:15	0.3	20.1	7.3	9816
1993	7	36	4	1	281	41	11.13	73	57.16	9/21/1993	11:05	0.3	20.6	7.2	10368
1993	7	36	4	1	282	41	11.2	73	57.17	9/21/1993	10:56	0.3	20.7	7.3	10346
1993	7	36	6	1	228	41	12.25	73	53.5	9/21/1993	12:06	0.3	21.7	7.1	9492
1993	7	36	6	1	276	41	12.17	73	53.51	9/21/1993	11:55	0.3	19.6	7.8	10701
1993	7	37	4	4	224					9/21/1993	10:42	0.3	21.7	6.8	9492
1993	7	38	4	4	221	41	13.43	73	57.79	9/21/1993	9:38	0.3	21.1	7	9072
1993	7	38	4	4	222	41	12.979	73	57.867	9/21/1993	9:54	0.3	20.6	7.1	8840
1993	7	38	4	4	223	41	12.89	73	57.806	9/21/1993	10:16	0.3	20.9	7.1	8784
1993	7	38	4	4	278	41	12.96	73	57.828	9/21/1993	10:27	0.3	20.9	7.1	8784
1993	7	38	4	4	279	41	13.36	73	57.82	9/21/1993	10:07	0.3	20.8	7	8912
1993	7	38	4	4	280	41	13.4	73	57.81	9/21/1993	9:45	0.3	24.5	6.8	8957
1993	7	40	4	4	214	41	14.31	73	58.5	9/21/1993	9:15	0.3	19.3	6.7	8414
1993	7	40	6	1	211	41	14.88	73	57.6	9/21/1993	12:32	0.3	22.3	6.8	9268
1993	7	41	6	4	208	41	15.72	73	50.84	9/21/1993	9:00	0.3	24.5	6.9	8957

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1993	7	42	6	4	207	41	15.3	73	57.8	9/21/1993	8:50	0.3	24.6	6.5	8035
1993	7	43	6	4	202	41	17.12	73	55.98	9/21/1993	7:59	0.3	21.4	6.3	6439
1993	7	48	4	2	197	41	20.86	73	58.08	9/21/1993	13:05	0.3	25.1	6.8	3479
1993	7	49	4	2	196	41	21.16	73	57.74	9/21/1993	13:20	0.3	21.6	6.5	3420
1993	7	52	6	2	193	41	24.12	73	57.31	9/21/1993	13:39	0.3	21.1	7.1	2786
1993	7	52	6	2	194	41	24.12	73	56.81	9/21/1993	13:50	0.3	21.2	7	2770
1993	7	55	6	2	189	41	25.66	73	58.14	9/21/1993	14:15	0.3	21.4	6.7	2146
1993	7	57	4	2	185	41	27.68	74	0.73	9/21/1993	14:36	0.3	20.3	7.6	1538
1993	7	58	4	2	184	41	27.78	74	0.7	9/21/1993	14:47	0.3	20.3	7.2	1538
1993	7	59	6	2	178	41	29.25	73	59.32	9/21/1993	15:30	0.3	18.8	6.8	1587
1993	7	59	6	2	179	41	29.24	73	59.34	9/21/1993	15:19	0.3	19.1	7.1	1577
1993	7	59	6	2	180	41	29.08	73	59.37	9/21/1993	15:03	0.3	19	7.1	1581
1993	7	61	4	2	174	41	31.15	74	0.37	9/21/1993	15:55	0.3	21.8	7.1	777
1993	7	62	4	2	171	41	32.19	73	59.91	9/21/1993	16:17	0.3	21.6	7.3	631
1993	7	63	6	2	169	41	32.07	73	58.83	9/21/1993	17:54	0.3	20.9	7.2	976
1993	7	64	4	2	164	41	33.37	73	59.18	9/21/1993	16:35	0.3	22	6.8	541
1993	7	65	4	2	162	41	33.99	73	58.39	9/21/1993	16:51	0.3	21.5	7	535
1993	7	66	4	2	160	41	34.777	73	57.753	9/21/1993	17:25	0.3	21.4	7	343
1993	7	77	6	2	141	41	44.46	73	56.21	9/23/1993	8:07	0.3	20.6	7.5	271
1993	7	77	6	2	142	41	43.92	73	56.14	9/23/1993	7:54	0.3	20.3	7.8	268
1993	7	77	6	2	143	41	43.83	73	56.16	9/23/1993	7:36	0.3	20.8	7.3	262
1993	7	81	4	2	135	41	47.474	73	57.457	9/23/1993	8:33	0.3	19.8	7.7	268
1993	7	83	4	2	133	41	48.74	73	57.19	9/23/1993	8:54	0.3	20.4	7.6	264
1993	7	86	6	2	125	41	51.75	73	55.89	9/22/1993	17:35	0.3	19.4	8.3	257
1993	7	88	6	2	122	41	53.023	73	56.214	9/22/1993	17:17	0.3	19.7	10.2	256
1993	7	89	6	2	121	41	53.84	73	57.04	9/22/1993	17:00	0.3	19.7	8.2	250
1993	7	93	4	2	116	41	57.05	73	57.77	9/22/1993	16:25	0.3	19.5	7.8	257
1993	7	93	6	2	117	41	57.036	73	56.721	9/22/1993	16:38	0.3	19.9	9.2	256
1993	7	94	4	2	113	41	58.38	73	57.25	9/22/1993	16:05	0.3	19.6	9.3	255
1993	7	95	4	2	111	41	59.083	73	57.079	9/22/1993	15:46	0.3	20	9.3	260
1993	7	96	4	2	105	42	0.22	73	56.65	9/22/1993	15:30	0.3	20.3	9	245
1993	7	97	4	4	102	42	0.83	73	56.38	9/22/1993	15:05	0.3	19.5	8.1	246
1993	7	97	4	2	103	42	0.5	73	56.51	9/22/1993	15:19	0.3	20.3	9.2	247
1993	7	98	4	4	100	42	1.67	73	56.54	9/22/1993	14:44	0.3	19.5	9	248
1993	7	99	6	4	99	42	2.02	73	55.73	9/22/1993	14:24	0.3	19.1	8.4	249
1993	7	105	4	4	97	42	7.68	73	55.13	9/22/1993	13:27	0.3	19.2	9.1	247
1993	7	105	4	4	98	42	7.33	73	55.3	9/22/1993	13:55	0.3	19.2	8.2	248
1993	7	114	6	4	85	42	13.54	73	50.75	9/22/1993	12:53	0.3	18.8	7.8	234
1993	7	115	6	4	80	42	14.8	73	49.1	9/22/1993	12:40	0.3	19.1	7.7	238
1993	7	117	4	4	76	42	15.84	73	47.69	9/22/1993	12:24	0.3	18.6	8.6	241
1993	7	119	4	4	72	42	16.82	73	47.28	9/22/1993	12:12	0.3	19.1	7.8	242
1993	7	119	6	4	71	42	17.16	73	46.8	9/22/1993	11:58	0.3	18.4	8.4	249
1993	7	121	4	4	68	42	18.53	73	47.1	9/22/1993	11:35	0.3	18.5	8.3	251

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1993	7	122	4	4	61	42	20.29	73	47.24	9/22/1993	10:57	0.3	18.8	7.6	251
1993	7	122	6	4	62	42	20.105	73	46.848	9/22/1993	11:07	0.3	18.9	7.9	257
1993	7	122	6	1	64	42	19.9	73	46.8	9/22/1993	11:25	0.3	18.8	7.8	252
1993	7	124	6	4	56	42	21.49	73	47.29	9/22/1993	10:40	0.3	18.9	7.3	259
1993	7	125	4	4	53	42	22.27	73	47.62	9/22/1993	10:28	0.3	19	7.3	259
1993	7	126	4	4	49	42	23.4	73	47.52	9/22/1993	10:11	0.3	18.7	7.6	256
1993	7	129	4	4	41	42	25.79	73	46.99	9/22/1993	9:47	0.3	18.9	7.2	252
1993	7	129	6	4	40	42	25.67	73	46.67	9/22/1993	9:33	0.3	19	7.5	248
1993	7	131	4	4	33	42	28.06	73	47.13	9/22/1993	9:16	0.3	18.6	7.2	248
1993	7	133	4	2	29	42	29.09	73	47.273	9/22/1993	8:20	0.3	18.5	7.6	240
1993	7	134	4	2	27	42	30.17	73	46.88	9/22/1993	8:03	0.3	18.8	7.7	225
1993	8	15	4	2	263	40	54.252	73	55.961	10/8/1993	11:34	0.3	17.8	10.1	13323
1993	8	16	4	4	262	40	54.9	73	55.7	10/8/1993	11:21	0.3	17.7	10.2	13352
1993	8	18	4	4	260	40	56.889	73	55.1	10/8/1993	11:05	0.3	17.5	9.7	12943
1993	8	18	6	2	261	40	56.27	73	54.17	10/8/1993	11:49	0.3	17.6	10.2	12799
1993	8	22	6	2	256	40	59.97	73	53.05	10/8/1993	12:12	0.3	17.5	9.9	12827
1993	8	24	6	2	252	41	2.057	73	52.505	10/8/1993	12:40	0.3	18.2	11.7	10337
1993	8	24	6	2	253	41	1.169	73	52.711	10/8/1993	12:26	0.3	17.7	10.3	10449
1993	8	25	4	4	250	41	2.86	73	55.07	10/8/1993	10:16	0.3	16.2	10.4	11996
1993	8	25	4	4	270	41	2.783	73	55.05	10/8/1993	10:30	0.3	16.3	10.3	11970
1993	8	25	6	2	251	41	2.46	73	52.42	10/8/1993	12:52	0.3	18	10.2	10382
1993	8	26	4	4	246	41	3.6	73	55.2	10/8/1993	9:50	0.3	16.2	10	11517
1993	8	26	4	4	271	41	3.77	73	55.22	10/8/1993	9:41	0.3	16.2	9.6	11517
1993	8	26	4	4	285	41	3.607	73	55.196	10/8/1993	10:02	0.3	16.6	9.7	11297
1993	8	26	6	2	247	41	3.891	73	52.077	10/8/1993	13:20	0.3	18.2	12.2	10452
1993	8	26	6	2	248	41	3.273	73	52.221	10/8/1993	13:11	0.3	18	10.3	10266
1993	8	26	6	2	249	41	2.67	73	52.3	10/8/1993	13:04	0.3	18	10.2	10266
1993	8	27	4	4	245	41	4.19	73	55.21	10/8/1993	9:27	0.3	16.2	10	11277
1993	8	27	4	4	272	41	4.49	73	55.14	10/8/1993	9:11	0.3	16.3	9.8	10893
1993	8	28	6	2	243	41	5.683	73	52.214	10/8/1993	13:41	0.3	18.3	8.9	9512
1993	8	28	6	2	244	41	5.33	73	52.33	10/8/1993	13:35	0.3	18.3	10	9512
1993	8	29	4	4	242	41	6.1	73	54.88	10/8/1993	8:52	0.3	16.8	9	10656
1993	8	30	4	4	241	41	7.14	73	54.77	10/8/1993	8:40	0.3	16.8	9	10656
1993	8	31	4	4	283	41	8.34	73	54.4	10/8/1993	8:22	0.3	17.4	8.9	9115
1993	8	32	4	4	239	41	8.81	73	54.6	10/8/1993	8:00	0.3	17.7	9.1	8127
1993	8	32	4	4	240	41	8.48	73	54.42	10/8/1993	8:12	0.3	17.4	9	9115
1993	8	32	6	2	237	41	9.274	73	52.181	10/8/1993	14:09	0.3	18.3	10.2	8023
1993	8	32	6	2	238	41	8.85	73	52.123	10/8/1993	13:58	0.3	18.1	9.4	7827
1993	8	32	6	2	269	41	9.445	73	52.243	10/8/1993	14:18	0.3	18.3	10.3	8023
1993	8	33	6	2	236	41	9.79	73	52.202	10/8/1993	14:31	0.3	18.4	9.4	7891
1993	8	34	6	2	233	41	10.662	73	53.922	10/7/1993	17:06	0.3	18.3	10.1	7679
1993	8	34	6	4	234	41	10.19	73	53.93	10/7/1993	17:16	0.3	18.2	10	7695
1993	8	35	4	2	277	41	10.95	73	57.06	10/7/1993	16:52	0.3	19.8	9.2	6660

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1993	8	35	6	4	231	41	11.23	73	53.69	10/7/1993	15:54	0.3	17.8	10.8	8805
1993	8	35	6	4	232	41	11.172	73	53.996	10/7/1993	17:25	0.3	17.4	9.8	7596
1993	8	35	6	4	274	41	11.17	73	53.71	10/7/1993	17:40	0.3	17.4	9.8	7596
1993	8	35	6	4	275	41	11.31	73	53.54	10/7/1993	18:02	0.3	17.8	9.9	8805
1993	8	36	4	2	227	41	11.02	73	57.41	10/7/1993	16:45	0.3	19.8	9.1	6660
1993	8	36	4	2	281	41	11.13	73	57.16	10/7/1993	16:30	0.3	19.8	8.7	6660
1993	8	36	4	2	282	41	11.2	73	57.17	10/7/1993	16:38	0.3	19.8	8.7	6660
1993	8	38	4	2	221	41	13.43	73	57.79	10/7/1993	16:05	0.3	20.3	8.7	6370
1993	8	38	4	2	223	41	12.89	73	57.806	10/7/1993	16:18	0.3	20	9.2	6521
1993	8	38	4	2	279	41	13.36	73	57.82	10/7/1993	16:11	0.3	20.3	9.4	6370
1993	8	38	4	2	280	41	13.4	73	57.81	10/7/1993	15:55	0.3	20.3	8.7	6370
1993	8	40	4	2	214	41	14.31	73	58.5	10/7/1993	15:40	0.3	19.8	10.3	6438
1993	8	40	6	2	211	41	14.88	73	57.6	10/7/1993	15:27	0.3	20.7	9.2	5990
1993	8	43	6	2	204	41	16.693	73	56.484	10/7/1993	15:00	0.3	19.9	9.1	3877
1993	8	43	6	2	205	41	16.413	73	56.551	10/7/1993	15:11	0.3	20	9	3868
1993	8	46	4	2	198	41	19.7	73	59	10/7/1993	14:35	0.3	19.6	9.3	2397
1993	8	49	4	2	196	41	21.16	73	57.74	10/7/1993	14:21	0.3	19.3	8.3	2008
1993	8	52	6	2	193	41	24.12	73	57.31	10/7/1993	13:45	0.3	18.8	8.6	1247
1993	8	52	6	2	194	41	24.12	73	56.81	10/7/1993	14:00	0.3	18.8	8.6	1247
1993	8	53	6	2	191	41	24.882	73	57.554	10/7/1993	13:27	0.3	19.2	9.3	1461
1993	8	55	6	2	189	41	25.66	73	58.14	10/7/1993	13:12	0.3	19.1	8.8	901
1993	8	57	4	2	185	41	27.68	74	0.73	10/7/1993	12:25	0.3	19	9	576
1993	8	58	4	2	183	41	28.02	74	0.87	10/7/1993	12:14	0.3	19	9	576
1993	8	59	6	2	178	41	29.25	73	59.32	10/7/1993	11:11	0.3	16.1	9.5	601
1993	8	59	6	2	179	41	29.24	73	59.34	10/7/1993	11:24	0.3	16.2	9.5	612
1993	8	59	6	2	180	41	29.08	73	59.37	10/7/1993	11:40	0.3	16.5	8.9	608
1993	8	60	6	2	177	41	29.52	73	59.24	10/7/1993	11:00	0.3	16	9.5	602
1993	8	66	4	4	160	41	34.777	73	57.753	10/7/1993	10:23	0.3	18	8.9	288
1993	8	69	6	4	156	41	37.03	73	56.88	10/7/1993	9:53	0.3	17.1	9.3	388
1993	8	69	6	4	158	41	36.94	73	56.81	10/7/1993	10:03	0.3	17.1	9.3	388
1993	8	72	6	4	152	41	39.77	73	56.55	10/7/1993	9:30	0.3	17.7	8.3	279
1993	8	74	6	4	148	41	41.15	73	56.31	10/7/1993	9:12	0.3	17.5	8.6	262
1993	8	77	6	4	140	41	44.56	73	56.17	10/7/1993	8:40	0.3	16.9	8.5	262
1993	8	77	6	4	141	41	44.46	73	56.21	10/7/1993	8:49	0.3	16.8	8.9	252
1993	8	83	4	4	131	41	49.33	73	57.31	10/7/1993	8:10	0.3	15.4	9.2	260
1993	8	84	4	4	129	41	50.61	73	57.28	10/7/1993	7:32	0.3	15.4	9.1	259
1993	8	84	6	4	130	41	50.19	73	56.63	10/7/1993	7:47	0.3	15.8	9	264
1993	8	89	6	2	121	41	53.84	73	57.04	10/6/1993	16:50	0.3	16.4	9.5	252
1993	8	90	6	2	120	41	54.02	73	57.2	10/6/1993	16:36	0.3	16.4	9.5	252
1993	8	91	6	2	119	41	55.847	73	56.774	10/6/1993	16:22	0.3	16.9	9.9	247
1993	8	92	4	2	118	41	56.32	73	58.1	10/6/1993	16:00	0.3	16.1	10.6	258
1993	8	93	4	2	116	41	57.05	73	57.77	10/6/1993	15:48	0.3	16.5	9.4	250
1993	8	96	4	2	105	42	0.22	73	56.65	10/6/1993	15:32	0.3	15.9	9.3	248

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1993	8	97	4	2	102	42	0.83	73	56.38	10/6/1993	15:15	0.3	18	10.4	248
1993	8	97	4	2	103	42	0.5	73	56.51	10/6/1993	15:26	0.3	16.3	9.6	247
1993	8	98	4	2	100	42	1.67	73	56.54	10/6/1993	14:53	0.3	15.5	9.4	245
1993	8	98	4	2	101	42	1.426	73	56.456	10/6/1993	15:03	0.3	15.9	9.3	248
1993	8	99	6	2	99	42	2.02	73	55.73	10/6/1993	14:35	0.3	15.9	9.9	248
1993	8	105	4	4	97	42	7.68	73	55.13	10/6/1993	13:45	0.3	15.5	9.4	256
1993	8	105	4	4	98	42	7.33	73	55.3	10/6/1993	14:03	0.3	18.9	11	248
1993	8	106	4	4	96	42	8.147	73	54.796	10/6/1993	13:34	0.3	15.8	9.4	254
1993	8	114	4	4	82	42	14.31	73	50.58	10/6/1993	12:51	0.3	16.9	10	169
1993	8	114	4	4	83	42	14.26	73	50.71	10/6/1993	13:00	0.3	16.9	10	168
1993	8	115	6	4	80	42	14.8	73	49.1	10/6/1993	12:37	0.3	16.1	10.1	170
1993	8	116	4	4	78					10/6/1993	12:23	0.3	15.9	10.3	169
1993	8	118	4	4	75	42	16.12	73	47.49	10/6/1993	12:04	0.3	16.1	10.8	179
1993	8	121	4	4	65	42	19.307	73	47.217	10/6/1993	11:24	0.3	15.2	9.4	184
1993	8	121	4	4	68	42	18.53	73	47.1	10/6/1993	11:47	0.3	15.9	9.8	180
1993	8	121	6	4	67	42	18.82	73	46.89	10/6/1993	11:35	0.3	15.2	9.7	188
1993	8	123	4	4	60	42	20.64	73	47.39	10/6/1993	11:10	0.3	15.3	10.3	185
1993	8	124	4	4	58					10/6/1993	10:56	0.3	14.6	9.3	188
1993	8	131	4	4	35	42	27.8	73	47.1	10/6/1993	10:23	0.3	14.1	10	182
1993	8	133	4	4	29	42	29.09	73	47.273	10/6/1993	10:03	0.3	14.7	9.6	185
1993	8	138	4	4	21	42	33.51	73	45.33	10/6/1993	9:38	0.3	13.9	9.7	177
1993	8	140	4	2	13	42	34.59	73	45.25	10/6/1993	9:12	0.3	14.1	9.6	238
1993	8	140	4	4	13	42	34.59	73	45.25	10/6/1993	9:28	0.3	13.9	9.7	189
1993	8	142	6	2	8	42	36.82	73	45.4	10/6/1993	8:56	0.3	14	9.7	239
1993	8	145	6	2	5	42	39.19	73	44.41	10/6/1993	8:30	0.3	13.7	10.1	203
1993	9	18	4	4	260	40	56.889	73	55.1	10/21/1993	11:52	0.3	15.1	8.6	14997
1993	9	19	6	4	259	40	57.735	73	53.561	10/21/1993	11:31	0.3	14.8	8.8	13984
1993	9	21	6	4	257	40	59.13	73	53.13	10/21/1993	11:16	0.3	14	8.4	13735
1993	9	23	6	4	254	41	1.086	73	52.681	10/21/1993	10:42	0.3	15.2	8.6	13246
1993	9	23	6	4	255	41	0.74	73	52.83	10/21/1993	10:58	0.3	14.6	8.5	13674
1993	9	24	6	2	252	41	2.057	73	52.505	10/21/1993	12:19	0.3	15.4	8.7	13187
1993	9	25	4	4	250	41	2.86	73	55.07	10/21/1993	9:51	0.3	14.4	8.3	12113
1993	9	25	4	4	270	41	2.783	73	55.05	10/21/1993	10:05	0.3	14.4	8.5	12487
1993	9	25	4	4	284	41	2.57	73	54.94	10/21/1993	10:20	0.3	14.4	8.3	12487
1993	9	25	6	2	251	41	2.46	73	52.42	10/21/1993	12:29	0.3	15.2	8.8	12510
1993	9	26	4	4	246	41	3.6	73	55.2	10/21/1993	9:34	0.3	14.4	8.4	12113
1993	9	26	4	4	271	41	3.77	73	55.22	10/21/1993	9:19	0.3	14.6	8.3	12058
1993	9	26	4	4	285	41	3.607	73	55.196	10/21/1993	9:40	0.3	14.4	8.3	12237
1993	9	26	6	2	247	41	3.891	73	52.077	10/21/1993	13:02	0.3	15.7	8.7	12130
1993	9	26	6	2	248	41	3.273	73	52.221	10/21/1993	12:50	0.3	15.6	8.7	11306
1993	9	26	6	2	249	41	2.67	73	52.3	10/21/1993	12:42	0.3	15.5	8.6	11696
1993	9	27	4	4	245	41	4.19	73	55.21	10/21/1993	9:06	0.3	14.5	8.4	12085
1993	9	27	4	4	272	41	4.49	73	55.14	10/21/1993	8:46	0.3	14.9	8.6	11977

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1993	9	28	6	2	243	41	5.683	73	52.214	10/21/1993	13:26	0.3	15.7	8.5	11159
1993	9	28	6	2	244	41	5.33	73	52.33	10/21/1993	13:17	0.3	15.7	8.6	11159
1993	9	29	4	4	242	41	6.1	73	54.88	10/21/1993	8:29	0.3	15.1	8.1	11801
1993	9	30	4	4	241	41	7.14	73	54.77	10/21/1993	8:22	0.3	14.9	8.2	11236
1993	9	31	4	4	283	41	8.34	73	54.4	10/21/1993	8:05	0.3	15.1	8.2	10080
1993	9	32	4	4	239	41	8.81	73	54.6	10/21/1993	7:42	0.3	15.3	8.2	9913
1993	9	32	4	4	240	41	8.48	73	54.42	10/21/1993	7:56	0.3	15.2	8.3	10057
1993	9	32	6	2	237	41	9.274	73	52.181	10/21/1993	13:54	0.3	15.6	8.6	9725
1993	9	32	6	2	238	41	8.85	73	52.123	10/21/1993	13:46	0.3	15.6	8.6	9725
1993	9	32	6	2	269	41	9.445	73	52.243	10/21/1993	14:08	0.3	15.6	8.6	9725
1993	9	33	6	2	236	41	9.79	73	52.202	10/21/1993	14:18	0.3	15.6	8.6	9604
1993	9	35	4	2	229	41	10.59	73	56.41	10/21/1993	15:36	0.3	16	8.7	6266
1993	9	35	4	2	230	41	10.59	73	56.39	10/21/1993	15:30	0.3	16	8.6	6386
1993	9	35	4	2	277	41	10.95	73	57.06	10/21/1993	15:49	0.3	16.3	8.8	6105
1993	9	35	6	2	231	41	11.23	73	53.69	10/21/1993	15:03	0.3	16	8.8	8555
1993	9	35	6	2	232	41	11.172	73	53.996	10/21/1993	14:42	0.3	15.9	8.8	8574
1993	9	35	6	2	274	41	11.17	73	53.71	10/21/1993	14:50	0.3	15.9	8.6	8574
1993	9	35	6	2	275	41	11.31	73	53.54	10/21/1993	15:10	0.3	16	8.8	8435
1993	9	36	4	2	227	41	11.02	73	57.41	10/21/1993	15:55	0.3	16.5	8.7	5959
1993	9	36	4	2	281	41	11.13	73	57.16	10/21/1993	16:12	0.3	16.6	8.8	6778
1993	9	36	4	2	282	41	11.2	73	57.17	10/21/1993	16:05	0.3	16.2	8.8	6838
1993	9	37	4	2	225	41	12.096	73	57.458	10/21/1993	16:28	0.3	16.6	8.5	6184
1993	9	38	4	2	278	41	12.96	73	57.828	10/21/1993	16:50	0.3	17.4	8.6	5843
1993	9	38	4	2	279	41	13.36	73	57.82	10/21/1993	16:47	0.3	17.3	8.3	5856
1993	9	38	4	2	280	41	13.4	73	57.81	10/21/1993	16:41	0.3	17.2	8.2	5868
1993	9	42	4	4	206	41	16.412	73	58.1	10/22/1993	13:41	0.3	17	10	3513
1993	9	43	6	4	202	41	17.12	73	55.98	10/22/1993	14:15	0.3	16.4	9.3	3822
1993	9	43	6	4	205	41	16.413	73	56.551	10/22/1993	13:17	0.3	16.1	10.3	3475
1993	9	46	4	4	198	41	19.7	73	59	10/22/1993	12:43	0.3	16.2	8.9	1679
1993	9	46	6	4	199	41	19.42	73	58.77	10/22/1993	12:56	0.3	16.1	9.2	1695
1993	9	49	4	2	196	41	21.16	73	57.74	10/22/1993	12:20	0.3	16.2	9.2	1188
1993	9	52	6	4	194	41	24.12	73	56.81	10/22/1993	11:57	0.3	16.1	9.1	950
1993	9	53	4	4	192	41	24.19	73	57.95	10/22/1993	11:43	0.3	15.8	9.7	702
1993	9	53	6	4	191	41	24.882	73	57.554	10/22/1993	11:24	0.3	15.1	10	676
1993	9	55	6	4	189	41	25.66	73	58.14	10/22/1993	11:14	0.3	15.3	10.2	624
1993	9	57	4	4	186	41	27.28	74	0.8	10/22/1993	10:51	0.3	14.6	9.3	594
1993	9	58	4	4	184	41	27.78	74	0.7	10/22/1993	10:40	0.3	14.5	9.7	561
1993	9	59	6	4	178	41	29.25	73	59.32	10/22/1993	9:56	0.3	13.4	10	625
1993	9	59	6	4	179	41	29.24	73	59.34	10/22/1993	10:06	0.3	13.3	10.1	626
1993	9	59	6	4	180	41	29.08	73	59.37	10/22/1993	10:20	0.3	13.4	10	626
1993	9	59	6	4	181	41	29.04	73	59.33	10/22/1993	10:27	0.3	13.4	9.9	639
1993	9	62	4	2	173	41	31.59	74	0.28	10/22/1993	9:06	0.3	15.4	9.4	249
1993	9	63	4	4	166					10/22/1993	8:47	0.3	15.4	9	274

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1993	9	69	4	2	155	41	37.44	73	57.43	10/22/1993	7:55	0.3	14	9.4	258
1993	9	69	6	2	156	41	37.03	73	56.88	10/22/1993	8:08	0.3	14.4	9.2	275
1993	9	69	6	2	157	41	36.97	73	56.85	10/22/1993	8:18	0.3	14.5	9.4	273
1993	9	77	6	2	140	41	44.56	73	56.17	10/20/1993	17:15	0.3	14.6	9.3	261
1993	9	77	6	2	142	41	43.92	73	56.14	10/20/1993	17:26	0.3	14.2	9.2	266
1993	9	81	4	2	135	41	47.474	73	57.457	10/20/1993	16:53	0.3	13.7	9.4	259
1993	9	82	4	2	134	41	48.51	73	57.22	10/20/1993	16:32	0.3	13.3	9.2	262
1993	9	85	4	2	128					10/20/1993	16:15	0.3	13.4	9.3	261
1993	9	86	6	2	125	41	51.75	73	55.89	10/20/1993	15:57	0.3	13.3	9.3	259
1993	9	88	6	2	122	41	53.023	73	56.214	10/20/1993	13:50	0.3	13.4	9.3	258
1993	9	89	6	2	121	41	53.84	73	57.04	10/20/1993	15:32	0.3	13.6	9.3	259
1993	9	90	6	2	120	41	54.02	73	57.2	10/20/1993	15:20	0.3	13.5	9.3	263
1993	9	92	4	2	118	41	56.32	73	58.1	10/20/1993	14:59	0.3	13.1	9.2	283
1993	9	96	4	1	105	42	0.22	73	56.65	10/20/1993	14:28	0.3	13.2	9.4	254
1993	9	96	4	2	108	41	59.76	73	56.81	10/20/1993	14:35	0.3	13.2	9.3	258
1993	9	97	4	4	102	42	0.83	73	56.38	10/20/1993	14:08	0.3	13.2	9.4	257
1993	9	97	4	4	103	42	0.5	73	56.51	10/20/1993	14:20	0.3	13.2	9.4	255
1993	9	98	4	4	100	42	1.67	73	56.54	10/20/1993	15:49	0.3	13.2	9.6	255
1993	9	98	4	4	101	42	1.426	73	56.456	10/20/1993	13:54	0.3	13.3	9.5	255
1993	9	99	6	4	99	42	2.02	73	55.73	10/20/1993	13:30	0.3	13.1	9.6	247
1993	9	105	4	4	98	42	7.33	73	55.3	10/20/1993	13:02	0.3	13.4	9.2	253
1993	9	106	4	4	96	42	8.147	73	54.796	10/20/1993	12:43	0.3	13	9.7	308
1993	9	115	6	4	80	42	14.8	73	49.1	10/20/1993	12:08	0.3	13.4	9.3	253
1993	9	118	4	4	75	42	16.12	73	47.49	10/20/1993	11:47	0.3	12.8	9.6	243
1993	9	119	4	4	72	42	16.82	73	47.28	10/20/1993	11:34	0.3	12.8	9.8	243
1993	9	119	6	4	71	42	17.16	73	46.8	10/20/1993	11:13	0.3	12.8	9.8	243
1993	9	121	4	4	65	42	19.307	73	47.217	10/20/1993	10:52	0.3	12.9	9.7	243
1993	9	121	4	4	68	42	18.53	73	47.1	10/20/1993	10:59	0.3	12.9	9.6	243
1993	9	122	6	4	64	42	19.9	73	46.8	10/20/1993	10:45	0.3	12.9	9.6	240
1993	9	123	4	4	59					10/20/1993	10:31	0.3	12.8	9.5	241
1993	9	124	4	4	55	42	21.64	73	47.62	10/20/1993	10:10	0.3	12.9	9.8	240
1993	9	124	6	4	56	42	21.49	73	47.29	10/20/1993	10:22	0.3	12.8	9.8	243
1993	9	126	4	4	48	42	23.65	73	47.38	10/20/1993	9:56	0.3	12.9	9.8	242
1993	9	128	6	4	43	42	25.02	73	46.62	10/20/1993	9:47	0.3	12.9	9.9	242
1993	9	129	4	4	41	42	25.79	73	46.99	10/20/1993	9:37	0.3	12.9	9.8	243
1993	9	129	6	4	38	42	26.05	73	46.82	10/20/1993	9:20	0.3	12.9	10	240
1993	9	129	6	4	40	42	25.67	73	46.67	10/20/1993	9:25	0.3	12.8	9.9	245
1993	9	131	4	4	35	42	27.8	73	47.1	10/20/1993	9:09	0.3	12.9	9.7	244
1993	9	132	4	4	32	42	28.13	73	47.21	10/20/1993	8:51	0.3	12.9	10	243
1993	10	18	4	2	260	40	56.889	73	55.1	11/2/1993	11:24	0.3	11.6	11.3	10923
1993	10	19	6	2	259	40	57.735	73	53.561	11/2/1993	11:42	0.3	11.5	11.2	12151
1993	10	21	6	2	257	40	59.13	73	53.13	11/2/1993	12:00	0.3	11	11	11486
1993	10	22	6	2	256	40	59.97	73	53.05	11/2/1993	12:08	0.3	11	11.6	11486

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1993	10	23	6	2	254	41	1.086	73	52.681	11/2/1993	12:25	0.3	10	12	10382
1993	10	24	6	2	252	41	2.057	73	52.505	11/2/1993	12:44	0.3	8	11.7	11644
1993	10	24	6	2	253	41	1.169	73	52.711	11/2/1993	12:37	0.3	6.2	12.5	12210
1993	10	25	4	2	250	41	2.86	73	55.07	11/2/1993	10:41	0.3	9.7	12.6	11017
1993	10	25	4	2	270	41	2.783	73	55.05	11/2/1993	10:52	0.3	9.6	12.6	11044
1993	10	25	6	2	251	41	2.46	73	52.42	11/2/1993	13:05	0.3	11	10.6	10675
1993	10	26	4	2	246	41	3.6	73	55.2	11/2/1993	10:17	0.3	9.9	11.5	10408
1993	10	26	4	2	271	41	3.77	73	55.22	11/2/1993	10:10	0.3	9.9	11.6	10408
1993	10	26	4	2	285	41	3.607	73	55.196	11/2/1993	10:29	0.3	9.8	12.9	10990
1993	10	26	6	2	247	41	3.891	73	52.077	11/2/1993	13:38	0.3	10.2	10.8	9643
1993	10	26	6	2	248	41	3.273	73	52.221	11/2/1993	13:25	0.3	10.5	10.9	9573
1993	10	26	6	2	249	41	2.67	73	52.3	11/2/1993	13:15	0.3	11	10.2	10945
1993	10	27	4	2	245	41	4.19	73	55.21	11/2/1993	10:00	0.3	10.1	11.8	10357
1993	10	27	4	2	272	41	4.49	73	55.14	11/2/1993	9:47	0.3	10.3	11.6	10307
1993	10	28	6	4	244	41	5.33	73	52.33	11/2/1993	13:54	0.3	9	10.8	8088
1993	10	29	4	2	242	41	6.1	73	54.88	11/2/1993	9:28	0.3	10.5	11.6	8889
1993	10	30	4	2	241	41	7.14	73	54.77	11/2/1993	9:19	0.3	10.4	11.5	8911
1993	10	31	4	2	283	41	8.34	73	54.4	11/2/1993	9:05	0.3	11.6	11.1	8259
1993	10	32	4	2	239	41	8.81	73	54.6	11/2/1993	8:38	0.3	11.7	11.6	8239
1993	10	32	4	2	240	41	8.48	73	54.42	11/2/1993	8:58	0.3	11.4	11.1	8298
1993	10	32	6	4	237	41	9.274	73	52.181	11/2/1993	14:38	0.3	9	10.1	7237
1993	10	32	6	4	238	41	8.85	73	52.123	11/2/1993	14:26	0.3	10.5	11.2	8206
1993	10	32	6	4	269	41	9.445	73	52.243	11/2/1993	14:50	0.3	10	10.1	8168
1993	10	33	6	4	236	41	9.79	73	52.202	11/2/1993	15:04	0.3	8.8	11.8	4621
1993	10	34	6	4	233	41	10.662	73	53.922	11/2/1993	15:22	0.3	11.2	9.9	8069
1993	10	35	6	4	231	41	11.23	73	53.69	11/2/1993	15:56	0.3	10.2	10	7714
1993	10	35	6	4	232	41	11.172	73	53.996	11/2/1993	15:37	0.3	11	9.8	7297
1993	10	35	6	4	274	41	11.17	73	53.71	11/2/1993	15:46	0.3	11	10	8107
1993	10	35	6	4	275	41	11.31	73	53.54	11/2/1993	16:00	0.3	10.2	10.1	7439
1993	10	36	4	4	281	41	11.13	73	57.16	11/4/1993	16:16	0.3	8.9	11	6402
1993	10	36	4	4	282	41	11.2	73	57.17	11/4/1993	16:08	0.3	8.8	11	6560
1993	10	36	6	4	228	41	12.25	73	53.5	11/2/1993	16:27	0.3	11.7	10	7309
1993	10	36	6	4	276	41	12.17	73	53.51	11/2/1993	16:17	0.3	11.7	9.8	7309
1993	10	37	4	2	225	41	12.096	73	57.458	11/4/1993	15:54	0.3	11.7	11.1	6379
1993	10	38	4	2	222	41	12.979	73	57.867	11/4/1993	15:23	0.3	12.1	10	5793
1993	10	38	4	2	223	41	12.89	73	57.806	11/4/1993	15:29	0.3	12.1	10	5793
1993	10	38	4	2	279	41	13.36	73	57.82	11/4/1993	15:45	0.3	11.9	10.2	5688
1993	10	38	4	2	280	41	13.4	73	57.81	11/4/1993	15:38	0.3	12	10.4	5674
1993	10	39	4	2	216	41	13.48	73	57.84	11/4/1993	15:09	0.3	12.8	9.8	5440
1993	10	40	4	2	209	41	14.97	73	58	11/4/1993	14:43	0.3	12.6	10.5	4424
1993	10	40	4	2	214	41	14.31	73	58.5	11/4/1993	14:56	0.3	12.1	10.6	5003
1993	10	42	4	2	206	41	16.412	73	58.1	11/4/1993	14:29	0.3	12.5	10.3	2869
1993	10	46	6	2	199	41	19.42	73	58.77	11/4/1993	14:00	0.3	12.1	10.6	2238

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1993	10	49	4	2	196	41	21.16	73	57.74	11/4/1993	13:38	0.3	12.6	12	1418
1993	10	52	6	2	193	41	24.12	73	57.31	11/4/1993	13:05	0.3	12.2	10.5	906
1993	10	52	6	4	194	41	24.12	73	56.81	11/4/1993	13:13	0.3	12.2	10	906
1993	10	53	4	2	192	41	24.19	73	57.95	11/4/1993	12:57	0.3	11.5	10.6	475
1993	10	55	6	2	189	41	25.66	73	58.14	11/4/1993	12:42	0.3	10	11	367
1993	10	56	4	2	187	41	26.83	74	0.5	11/4/1993	12:28	0.3	10.9	11	276
1993	10	59	6	2	178	41	29.25	73	59.32	11/4/1993	11:51	0.3	9	11.9	343
1993	10	59	6	2	179	41	29.24	73	59.34	11/4/1993	12:00	0.3	9.1	11.9	343
1993	10	59	6	4	180	41	29.08	73	59.37	11/4/1993	12:09	0.3	9	11.9	348
1993	10	60	6	2	176	41	29.57	73	59.06	11/4/1993	11:45	0.3	9	11.9	343
1993	10	61	4	2	174	41	31.15	74	0.37	11/4/1993	11:20	0.3	10	11	287
1993	10	63	4	2	166					11/4/1993	11:09	0.3	10.9	10.4	274
1993	10	64	4	2	164	41	33.37	73	59.18	11/4/1993	10:49	0.3	12.2	9.6	276
1993	10	69	6	4	158	41	36.94	73	56.81	11/4/1993	10:22	0.3	9.8	9.4	334
1993	10	76	4	4	144					11/4/1993	9:54	0.3	10.2	8.8	274
1993	10	76	6	4	145					11/4/1993	8:12	0.3	10.5	11.5	261
1993	10	77	6	4	140	41	44.56	73	56.17	11/4/1993	8:57	0.3	10.8	10.4	267
1993	10	77	6	4	141	41	44.46	73	56.21	11/4/1993	8:44	0.3	10.7	10.4	268
1993	10	77	6	4	142	41	43.92	73	56.14	11/4/1993	8:29	0.3	11	8	269
1993	10	78	4	4	139	41	44.786	73	56.758	11/4/1993	9:13	0.3	10	10.5	262
1993	10	80	6	4	137	41	46.14	73	56.82	11/4/1993	9:27	0.3	10.2	9.8	266
1993	10	86	4	2	126	41	51.44	73	56.97	11/3/1993	14:37	0.3	7.7	16.4	280
1993	10	86	6	2	125	41	51.75	73	55.89	11/3/1993	14:26	0.3	10	18.8	264
1993	10	89	6	2	121	41	53.84	73	57.04	11/3/1993	16:10	0.3	8.8	16.8	264
1993	10	92	4	2	118	41	56.32	73	58.1	11/3/1993	15:51	0.3	6.9	16	300
1993	10	93	4	2	116	41	57.05	73	57.77	11/3/1993	15:39	0.3	8.5	17	259
1993	10	95	4	2	111	41	59.083	73	57.079	11/3/1993	15:21	0.3	6	16.6	276
1993	10	96	4	2	105	42	0.22	73	56.65	11/3/1993	15:13	0.3	8.2	16	261
1993	10	97	4	2	102	42	0.83	73	56.38	11/3/1993	14:57	0.3	5	16	282
1993	10	97	4	2	103	42	0.5	73	56.51	11/3/1993	15:06	0.3	8.2	15.8	262
1993	10	98	4	2	100	42	1.67	73	56.54	11/3/1993	14:46	0.3	8.5	15.8	259
1993	10	99	6	2	99	42	2.02	73	55.73	11/3/1993	14:24	0.3	7.8	15.5	260
1993	10	105	4	2	97	42	7.68	73	55.13	11/3/1993	13:52	0.3	7	16.2	291
1993	10	105	4	2	98	42	7.33	73	55.3	11/3/1993	14:00	0.3	8	16.2	250
1993	10	106	4	2	96	42	8.147	73	54.796	11/3/1993	13:45	0.3	7	16.3	287
1993	10	110	6	2	90	42	11.04	73	51.38	11/3/1993	13:24	0.3	6	18	261
1993	10	111	6	2	89					11/3/1993	13:18	0.3	6	18	259
1993	10	112	4	2	88	42	12.69	73	51.26	11/3/1993	13:02	0.3	8.2	16	246
1993	10	114	4	2	81	42	14.39	73	50.549	11/3/1993	12:44	0.3	7.2	15.8	254
1993	10	115	6	4	80	42	14.8	73	49.1	11/3/1993	12:35	0.3	8.2	15.8	249
1993	10	117	4	4	76	42	15.84	73	47.69	11/3/1993	12:10	0.3	6.4	15.2	254
1993	10	119	6	4	69	42	17.29	73	46.78	11/3/1993	11:51	0.3	6.9	15.8	241
1993	10	122	4	4	63	42	19.84	73	47.18	11/3/1993	11:26	0.3	5	15.5	270

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1993	10	122	6	4	62	42	20.105	73	46.848	11/3/1993	11:19	0.3	7.2	16	250
1993	10	122	6	4	64	42	19.9	73	46.8	11/3/1993	11:33	0.3	6	15	262
1993	10	134	4	4	28	42	30.027	73	46.913	11/3/1993	10:35	0.3	7.6	15.2	249
1993	10	137	6	4	24	42	32.262	73	45.288	11/3/1993	10:17	0.3	7.2	15.5	269
1993	10	139	4	4	19	42	34.03	73	45.26	11/3/1993	9:52	0.3	7	15	238
1993	10	142	6	4	8	42	36.82	73	45.4	11/3/1993	9:28	0.3	7	15.2	264
1993	10	145	6	4	4	42	39.51	73	44.09	11/3/1993	8:35	0.3	7.5	15.2	229
1993	10	148	6	4	3	42	41.41	73	42.584	11/3/1993	8:54	0.3	5.9	15.8	215
1993	10	149	6	4	2	42	42	73	42.07	11/3/1993	9:04	0.3	7.2	14.6	207
1994	1	16	4	4	262	40	54.9	73	55.7	6/27/1994	14:00	0.3	26	5.2	13273
1994	1	22	6	2	256	40	59.97	73	53.05	6/27/1994	14:28	0.3	23	5.3	14013
1994	1	23	6	2	255	41	0.74	73	52.83	6/27/1994	14:42	0.3	23.5	5.5	13664
1994	1	25	4	4	250	41	2.86	73	55.07	6/27/1994	13:10	0.3	28	6.4	8527
1994	1	25	4	4	270	41	2.783	73	55.05	6/27/1994	13:20	0.3	28	6.7	8433
1994	1	26	4	4	271	41	3.77	73	55.22	6/27/1994	12:18	0.3	27.5	6.5	8519
1994	1	26	4	4	285	41	3.607	73	55.196	6/27/1994	12:50	0.3	29	6.4	8264
1994	1	26	6	2	247	41	3.891	73	52.077	6/27/1994	15:25	0.3	24	6.5	10168
1994	1	26	6	2	249	41	2.67	73	52.3	6/27/1994	15:00	0.3	18.5	6	11526
1994	1	27	4	4	272	41	4.49	73	55.14	6/27/1994	12:00	0.3	26.5	6.7	8984
1994	1	31	4	4	283	41	8.34	73	54.4	6/27/1994	11:30	0.3	25.5	6.5	6902
1994	1	32	4	2	239	41	8.81	73	54.6	6/27/1994	10:55	0.3	26	6.2	4870
1994	1	32	4	2	240	41	8.48	73	54.42	6/27/1994	11:15	0.3	25.1	6.5	6859
1994	1	36	4	2	227	41	11.02	73	57.41	6/27/1994	10:35	0.3	25	7	4532
1994	1	36	4	4	281	41	11.13	73	57.16	6/27/1994	10:24	0.3	25	6.8	4582
1994	1	36	4	4	282	41	11.2	73	57.17	6/27/1994	10:14	0.3	25	6.7	4582
1994	1	37	4	4	225	41	12.096	73	57.458	6/27/1994	10:00	0.3	22	7.8	4123
1994	1	38	4	4	222	41	12.979	73	57.867	6/27/1994	9:40	0.3	24	7	3457
1994	1	38	4	4	278	41	12.96	73	57.828	6/27/1994	9:25	0.3	23.8	6.8	3471
1994	1	38	4	4	280	41	13.4	73	57.81	6/27/1994	9:15	0.3	23.9	6.9	3464
1994	1	42	4	2	206	41	16.412	73	58.1	6/30/1994	7:44	0.3	23.4	7.1	1678
1994	1	43	6	2	202	41	17.12	73	55.98	6/30/1994	8:04	0.3	23.2	6.9	1137
1994	1	46	4	2	198	41	19.7	73	59	6/30/1994	7:15	0.3	22	6.6	519
1994	1	49	4	2	196	41	21.16	73	57.74	6/30/1994	6:56	0.3	22.7	7.5	336
1994	1	52	6	4	193	41	24.12	73	57.31	6/29/1994	19:40	0.3	22	6.8	323
1994	1	52	6	4	194	41	24.12	73	56.81	6/29/1994	19:45	0.3	23	6.8	322
1994	1	56	4	4	188	41	26.47	73	59.66	6/29/1994	19:15	0.3	23.1	7.2	306
1994	1	57	4	4	185	41	27.68	74	0.73	6/29/1994	19:05	0.3	23	7.2	301
1994	1	61	4	4	174	41	31.15	74	0.37	6/29/1994	18:55	0.3	23.2	7.3	207
1994	1	63	4	2	166					6/29/1994	18:30	0.3	23.8	7.5	204
1994	1	63	6	4	169	41	32.07	73	58.83	6/29/1994	18:45	0.3	24	7.4	214
1994	1	65	4	2	162	41	33.99	73	58.39	6/29/1994	18:05	0.3	23.5	7.1	205
1994	1	66	4	2	160	41	34.777	73	57.753	6/29/1994	18:00	0.3	24	7	193
1994	1	69	6	2	156	41	37.03	73	56.88	6/29/1994	17:15	0.3	23.6	6.9	246

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1994	1	69	6	2	157	41	36.97	73	56.85	6/29/1994	17:30	0.3	23.6	6.9	246
1994	1	69	6	2	158	41	36.94	73	56.81	6/29/1994	17:35	0.3	23.6	6.9	246
1994	1	76	4	2	146	41	42.94	73	56.87	6/29/1994	16:50	0.3	23	6.9	223
1994	1	77	6	2	140	41	44.56	73	56.17	6/29/1994	16:25	0.3	23.3	6.8	222
1994	1	77	6	2	143	41	43.83	73	56.16	6/29/1994	16:35	0.3	23.5	7	220
1994	1	81	4	2	135	41	47.474	73	57.457	6/29/1994	16:00	0.3	23.5	7.1	216
1994	1	82	4	2	134	41	48.51	73	57.22	6/29/1994	15:46	0.3	23.9	6.9	224
1994	1	83	4	2	131	41	49.33	73	57.31	6/29/1994	15:20	0.3	23.8	7	225
1994	1	83	4	2	133	41	48.74	73	57.19	6/29/1994	15:35	0.3	23.8	6.9	225
1994	1	84	4	2	129	41	50.61	73	57.28	6/29/1994	14:57	0.3	23.6	7.1	220
1994	1	85	4	2	128					6/29/1994	14:40	0.3	22.8	7.6	214
1994	1	86	4	2	126	41	51.44	73	56.97	6/29/1994	14:20	0.3	22.6	7.6	209
1994	1	86	6	4	125	41	51.75	73	55.89	6/29/1994	12:05	0.3	23.9	7.2	232
1994	1	88	6	4	122	41	53.023	73	56.214	6/29/1994	11:53	0.3	24.1	7.2	229
1994	1	89	6	4	121	41	53.84	73	57.04	6/29/1994	11:30	0.3	24	7.2	229
1994	1	90	6	4	120	41	54.02	73	57.2	6/29/1994	11:20	0.3	24	7.2	232
1994	1	92	4	4	118	41	56.32	73	58.1	6/29/1994	7:50	0.3	23.2	7.1	238
1994	1	93	4	2	116	41	57.05	73	57.77	6/29/1994	8:10	0.3	23	7.3	239
1994	1	93	6	2	117	41	57.036	73	56.721	6/29/1994	9:30	0.3	23.5	7.4	227
1994	1	94	4	2	113	41	58.38	73	57.25	6/29/1994	8:36	0.3	23.5	7.6	231
1994	1	94	4	2	115	41	57.78	73	57.47	6/29/1994	8:28	0.3	23.5	7.5	230
1994	1	94	6	2	114	41	58.085	73	56.467	6/29/1994	9:11	0.3	23	7.4	230
1994	1	95	4	2	111	41	59.083	73	57.079	6/29/1994	8:50	0.3	23.8	7.1	230
1994	1	95	6	2	112	41	58.238	73	56.123	6/29/1994	9:00	0.3	23.7	7.5	219
1994	1	96	4	2	105	42	0.22	73	56.65	6/28/1994	18:50	0.3	24.5	7.7	226
1994	1	96	4	2	108	41	59.76	73	56.81	6/28/1994	18:55	0.3	24.1	7.6	226
1994	1	97	4	2	102	42	0.83	73	56.38	6/28/1994	18:23	0.3	24.5	8	231
1994	1	97	4	2	103	42	0.5	73	56.51	6/28/1994	18:38	0.3	24.5	7.7	226
1994	1	98	4	2	100	42	1.67	73	56.54	6/28/1994	18:03	0.3	24.2	7.6	228
1994	1	98	4	2	101	42	1.426	73	56.456	6/28/1994	18:17	0.3	24.3	7.6	227
1994	1	99	6	2	99	42	2.02	73	55.73	6/28/1994	17:47	0.3	24.8	8	230
1994	1	105	4	2	97	42	7.68	73	55.13	6/28/1994	17:07	0.3	24.5	7.5	277
1994	1	105	4	2	98	42	7.33	73	55.3	6/28/1994	17:23	0.3	24.8	7.8	248
1994	1	106	4	2	96	42	8.147	73	54.796	6/28/1994	16:59	0.3	24.6	7.5	251
1994	1	112	4	2	88	42	12.69	73	51.26	6/28/1994	16:25	0.3	26	7.2	254
1994	1	113	4	4	86	42	13.12	73	51.33	6/28/1994	16:00	0.3	26	9	264
1994	1	113	6	2	87	42	13.32	73	50.85	6/28/1994	16:13	0.3	25.9	9.4	253
1994	1	114	4	4	82	42	14.31	73	50.58	6/28/1994	15:23	0.3	25.2	7.8	258
1994	1	114	4	4	83	42	14.26	73	50.71	6/28/1994	15:30	0.3	24.9	7.8	260
1994	1	114	6	4	85	42	13.54	73	50.75	6/28/1994	15:45	0.3	26.4	9.4	251
1994	1	115	6	4	79	42	14.8	73	49	6/28/1994	15:09	0.3	25.7	8.1	258
1994	1	116	6	4	77	42	15.02	73	48.31	6/28/1994	14:56	0.3	24.8	6.5	270
1994	1	119	6	4	69	42	17.29	73	46.78	6/28/1994	14:35	0.3	25.5	8.8	256

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1994	1	121	4	4	65	42	19.307	73	47.217	6/28/1994	13:45	0.3	25	7	265
1994	1	121	4	4	68	42	18.53	73	47.1	6/28/1994	14:17	0.3	25.7	8.5	255
1994	1	121	6	4	67	42	18.82	73	46.89	6/28/1994	14:02	0.3	26	8.1	264
1994	1	122	4	4	61	42	20.29	73	47.24	6/28/1994	13:18	0.3	25.2	7.4	268
1994	1	122	4	4	63	42	19.84	73	47.18	6/28/1994	13:32	0.3	25	7.1	264
1994	1	123	4	4	59					6/28/1994	13:07	0.3	25	7.1	263
1994	1	124	4	4	55	42	21.64	73	47.62	6/28/1994	12:21	0.3	25	7.6	254
1994	1	124	4	4	58					6/28/1994	12:55	0.3	25.5	6.9	251
1994	1	124	6	4	56	42	21.49	73	47.29	6/28/1994	12:33	0.3	24.5	7.4	258
1994	1	124	6	4	57	42	21.28	73	47.32	6/28/1994	12:46	0.3	24.5	7	257
1994	1	129	6	4	38	42	26.05	73	46.82	6/28/1994	11:58	0.3	24.5	6.1	257
1994	1	131	4	4	33	42	28.06	73	47.13	6/28/1994	11:40	0.3	24.8	6.9	265
1994	1	134	4	4	27	42	30.17	73	46.88	6/28/1994	11:15	0.3	24	6.6	261
1994	1	134	4	4	28	42	30.027	73	46.913	6/28/1994	11:27	0.3	24.2	6.8	259
1994	1	138	4	4	21	42	33.51	73	45.33	6/28/1994	10:39	0.3	23.5	6.5	257
1994	1	138	4	4	23	42	33.14	73	45.46	6/28/1994	10:46	0.3	23.5	6.5	258
1994	1	139	4	2	15	42	34.32	73	45.25	6/28/1994	9:59	0.3	23.5	6.9	247
1994	1	139	4	2	16	42	34.31	73	45.21	6/28/1994	10:17	0.3	24.2	6.7	242
1994	1	140	4	2	10					6/28/1994	9:24	0.3	23.5	6.9	231
1994	1	140	4	2	12					6/28/1994	9:38	0.3	23.5	6.9	231
1994	1	140	4	2	13	42	34.59	73	45.25	6/28/1994	9:50	0.3	23	7	228
1994	1	142	6	2	8	42	36.82	73	45.4	6/28/1994	8:55	0.3	23.5	7.3	236
1994	2	18	4	2	260	40	56.889	73	55.1	7/11/1994	12:08	0.3	26.7	9	13470
1994	2	21	6	2	257	40	59.13	73	53.13	7/11/1994	12:35	0.3	25.5	8.9	14888
1994	2	23	6	2	255	41	0.74	73	52.83	7/11/1994	12:50	0.3	26.7	9.3	14432
1994	2	25	4	2	250	41	2.86	73	55.07	7/11/1994	11:04	0.3	26	11.7	7320
1994	2	25	4	2	284	41	2.57	73	54.94	7/11/1994	11:22	0.3	26	11.2	7320
1994	2	26	4	2	246	41	3.6	73	55.2	7/11/1994	10:51	0.3	26	13.9	7222
1994	2	27	4	2	245	41	4.19	73	55.21	7/11/1994	10:38	0.3	25.5	12.4	6803
1994	2	27	4	2	272	41	4.49	73	55.14	7/11/1994	10:24	0.3	25.9	11.5	7139
1994	2	28	6	2	243	41	5.683	73	52.214	7/11/1994	13:25	0.3	26.9	10.6	9582
1994	2	28	6	2	244	41	5.33	73	52.33	7/11/1994	13:17	0.3	26.9	10.6	9582
1994	2	30	4	2	241	41	7.14	73	54.77	7/11/1994	10:00	0.3	25.3	12.4	6138
1994	2	32	4	4	239	41	8.81	73	54.6	7/11/1994	9:31	0.3	25.9	8.6	6748
1994	2	32	4	4	240	41	8.48	73	54.42	7/11/1994	9:47	0.3	25.9	9.7	6650
1994	2	32	6	2	237	41	9.274	73	52.181	7/11/1994	13:53	0.3	26.6	12.2	9544
1994	2	35	4	4	230	41	10.59	73	56.39	7/11/1994	9:12	0.3	25.9	7.8	5379
1994	2	35	4	4	277	41	10.95	73	57.06	7/11/1994	8:58	0.3	24.5	9.8	4579
1994	2	36	4	4	281	41	11.13	73	57.16	7/11/1994	8:40	0.3	24.5	11.5	5032
1994	2	36	4	4	282	41	11.2	73	57.17	7/11/1994	8:50	0.3	24.5		5032
1994	2	38	4	4	221	41	13.43	73	57.79	7/11/1994	7:55	0.3	25.7	6.4	4812
1994	2	38	4	4	222	41	12.979	73	57.867	7/11/1994	8:09	0.3	25.7	6.4	4812
1994	2	38	4	4	280	41	13.4	73	57.81	7/11/1994	8:21	0.3	25.7	6.4	4812

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	2	40	6	2	211	41	14.88	73	57.6	7/11/1994	14:40	0.3	26.8	8.6	8641
1994	2	40	6	2	213	41	14.64	73	57.15	7/11/1994	14:29	0.3	27	7.8	7076
1994	2	43	6	4	204	41	16.693	73	56.484	7/11/1994	15:00	0.3	27.2	8.2	2476
1994	2	49	4	4	196	41	21.16	73	57.74	7/11/1994	15:35	0.3	26	7.7	1366
1994	2	52	6	4	194	41	24.12	73	56.81	7/11/1994	15:54	0.3	26.3	7.4	1018
1994	2	53	4	4	192	41	24.19	73	57.95	7/11/1994	16:05	0.3	26	8	800
1994	2	59	6	4	180	41	29.08	73	59.37	7/14/1994	19:04	0.3	26.8	6.5	269
1994	2	60	6	4	177	41	29.52	73	59.24	7/14/1994	18:53	0.3	26.8	6.4	268
1994	2	61	4	2	174	41	31.15	74	0.37	7/14/1994	18:30	0.3	27	7.2	234
1994	2	63	6	2	167	41	32.41	73	58.61	7/14/1994	18:13	0.3	27	6.7	239
1994	2	64	4	2	163	41	33.48	73	59.05	7/14/1994	17:54	0.3	27	9.4	237
1994	2	66	4	2	160	41	34.777	73	57.753	7/14/1994	17:38	0.3	28.7	12.6	254
1994	2	69	4	2	155	41	37.44	73	57.43	7/14/1994	17:02	0.3	26.4	5.3	243
1994	2	69	6	2	157	41	36.97	73	56.85	7/14/1994	17:15	0.3	27	7.4	292
1994	2	73	6	2	150	41	40.28	73	56.49	7/14/1994	16:33	0.3	26.5	9.1	246
1994	2	74	6	2	149	41	41.064	73	56.289	7/14/1994	16:17	0.3	26.8	7.5	248
1994	2	76	6	2	145					7/14/1994	15:51	0.3	27.6	12.6	246
1994	2	77	6	2	142	41	43.92	73	56.14	7/14/1994	15:20	0.3	27	7.2	251
1994	2	77	6	2	143	41	43.83	73	56.16	7/14/1994	15:31	0.3	27	6.9	251
1994	2	81	4	2	135	41	47.474	73	57.457	7/14/1994	15:01	0.3	26.8	6.6	254
1994	2	83	4	2	131	41	49.33	73	57.31	7/14/1994	14:20	0.3	27	7.2	256
1994	2	83	4	2	133	41	48.74	73	57.19	7/14/1994	14:38	0.3	27	7	253
1994	2	84	4	2	129	41	50.61	73	57.28	7/14/1994	13:52	0.3	27	6.9	254
1994	2	84	6	2	130	41	50.19	73	56.63	7/14/1994	14:05	0.3	27	7.4	253
1994	2	85	6	2	127	41	51.18	73	56.5	7/14/1994	13:37	0.3	27	7.2	255
1994	2	86	6	4	125	41	51.75	73	55.89	7/14/1994	13:16	0.3	28.9	8.9	250
1994	2	88	6	4	122	41	53.023	73	56.214	7/14/1994	12:49	0.3	27.8	8.6	254
1994	2	89	6	4	121	41	53.84	73	57.04	7/14/1994	12:30	0.3	27.1	7.3	266
1994	2	90	6	4	120	41	54.02	73	57.2	7/14/1994	12:19	0.3	27.1	7.2	265
1994	2	91	6	4	119	41	55.847	73	56.774	7/14/1994	11:56	0.3	27.1	8.4	259
1994	2	92	4	4	118	41	56.32	73	58.1	7/14/1994	8:11	0.3	26.1	7.1	267
1994	2	93	4	4	116	41	57.05	73	57.77	7/14/1994	7:56	0.3	26.2	7.4	261
1994	2	93	6	4	117	41	57.036	73	56.721	7/14/1994	11:41	0.3	27.2	7.6	243
1994	2	94	4	4	113	41	58.38	73	57.25	7/14/1994	8:40	0.3	26.2	8.1	258
1994	2	94	4	4	115	41	57.78	73	57.47	7/14/1994	8:28	0.3	26	7.9	259
1994	2	94	6	4	114	41	58.085	73	56.467	7/14/1994	11:24	0.3	27	7.5	253
1994	2	95	4	4	111	41	59.083	73	57.079	7/14/1994	8:56	0.3	25.8	7.6	255
1994	2	95	6	4	112	41	58.238	73	56.123	7/14/1994	11:10	0.3	27	8.9	255
1994	2	96	4	4	105	42	0.22	73	56.65	7/14/1994	9:36	0.3	26	8.1	252
1994	2	96	4	4	108	41	59.76	73	56.81	7/14/1994	9:23	0.3	26.1	7.5	254
1994	2	96	4	4	110	41	59.4	73	56.94	7/14/1994	9:09	0.3	26.5	8.2	253
1994	2	96	6	4	106	42	59.99	73	55.94	7/14/1994	10:35	0.3	25.5	8.6	253
1994	2	96	6	4	109	41	59.43	73	56.012	7/14/1994	10:57	0.3	25.5	8.6	254

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	2	97	4	4	102	42	0.83	73	56.38	7/14/1994	9:54	0.3	26.1	7.8	257
1994	2	97	4	4	103	42	0.5	73	56.51	7/14/1994	9:47	0.3	26	8.1	253
1994	2	98	4	4	101	42	1.426	73	56.456	7/14/1994	10:11	0.3	26.1	7.6	249
1994	2	105	4	2	97	42	7.68	73	55.13	7/12/1994	17:34	0.3	26	7.6	231
1994	2	106	4	2	96	42	8.147	73	54.796	7/12/1994	17:43	0.3	25.6	7.1	236
1994	2	112	4	2	88	42	12.69	73	51.26	7/12/1994	17:00	0.3	26.3	6.7	209
1994	2	113	6	2	87	42	13.32	73	50.85	7/12/1994	16:43	0.3	26.5	8.2	213
1994	2	116	6	2	77	42	15.02	73	48.31	7/12/1994	16:14	0.3	27	7.8	220
1994	2	118	4	2	75	42	16.12	73	47.49	7/12/1994	15:52	0.3	28	8.2	206
1994	2	119	4	2	72	42	16.82	73	47.28	7/12/1994	15:38	0.3	24	7	214
1994	2	119	6	2	71	42	17.16	73	46.8	7/12/1994	15:15	0.3	30	8.8	207
1994	2	121	4	4	65	42	19.307	73	47.217	7/12/1994	14:14	0.3	28	7.3	205
1994	2	121	4	2	68	42	18.53	73	47.1	7/12/1994	14:51	0.3	29	7.6	202
1994	2	121	6	2	66	42	19.33	73	46.85	7/12/1994	14:26	0.3	28.2	9.1	203
1994	2	121	6	2	67	42	18.82	73	46.89	7/12/1994	14:37	0.3	28	9	204
1994	2	122	4	4	61	42	20.29	73	47.24	7/12/1994	13:24	0.3	27.5	7.4	207
1994	2	122	4	4	63	42	19.84	73	47.18	7/12/1994	13:59	0.3	28.5	7.5	204
1994	2	122	6	4	62	42	20.105	73	46.848	7/12/1994	13:37	0.3	24.5	6.5	206
1994	2	122	6	4	64	42	19.9	73	46.8	7/12/1994	13:48	0.3	25	6.5	204
1994	2	123	4	4	59					7/12/1994	13:01	0.3	27	7.4	206
1994	2	123	4	4	60	42	20.64	73	47.39	7/12/1994	13:11	0.3	27	7.4	206
1994	2	124	4	4	58					7/12/1994	12:47	0.3	28	8.3	217
1994	2	124	6	4	56	42	21.49	73	47.29	7/12/1994	12:23	0.3	25	7.6	214
1994	2	124	6	4	57	42	21.28	73	47.32	7/12/1994	12:35	0.3	26.5	7.3	208
1994	2	125	4	4	51	42	22.87	73	47.8	7/12/1994	11:41	0.3	27	7.4	201
1994	2	125	4	4	53	42	22.27	73	47.62	7/12/1994	11:57	0.3	27	8.6	193
1994	2	125	6	4	54	42	22.034	73	47.302	7/12/1994	12:08	0.3	25	10.2	229
1994	2	126	4	4	48	42	23.65	73	47.38	7/12/1994	11:13	0.3	26	7.1	195
1994	2	126	4	4	50	42	23.21	73	47.62	7/12/1994	11:30	0.3	27	7.4	204
1994	2	128	6	4	45					7/12/1994	11:00	0.3	24.9	7.4	204
1994	2	129	6	4	38	42	26.05	73	46.82	7/12/1994	10:30	0.3	25	7.3	190
1994	2	131	4	4	35	42	27.8	73	47.1	7/12/1994	10:15	0.3	25	6.7	190
1994	2	131	6	4	34					7/12/1994	9:53	0.3	25	6.7	190
1994	2	132	4	4	32	42	28.13	73	47.21	7/12/1994	9:36	0.3	25	6.8	197
1994	2	133	4	4	29	42	29.09	73	47.273	7/12/1994	9:19	0.3	25	6.8	204
1994	2	134	4	4	28	42	30.027	73	46.913	7/12/1994	9:00	0.3	24.8	7.7	211
1994	3	18	4	2	260	40	56.889	73	55.1	7/25/1994	12:55	0.3	28.5	6.1	13172
1994	3	21	6	2	257	40	59.13	73	53.13	7/25/1994	13:20	0.3	27.9	5.4	13333
1994	3	23	6	2	255	41	0.74	73	52.83	7/25/1994	13:35	0.3	27.6	5.5	13225
1994	3	25	6	2	251	41	2.46	73	52.42	7/25/1994	13:55	0.3	27.5	7.7	12306
1994	3	26	6	2	247	41	3.891	73	52.077	7/25/1994	14:25	0.3	28	6	10776
1994	3	26	6	2	249	41	2.67	73	52.3	7/25/1994	14:12	0.3	28	5.7	11525
1994	3	27	4	2	245	41	4.19	73	55.21	7/25/1994	12:19	0.3	28	9.8	10120

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	3	27	4	2	272	41	4.49	73	55.14	7/25/1994	12:08	0.3	28.5	7.9	9925
1994	3	30	4	2	241	41	7.14	73	54.77	7/25/1994	11:49	0.3	28.4	8.2	8272
1994	3	32	4	4	239	41	8.81	73	54.6	7/25/1994	11:17	0.3	28.3	6.7	6426
1994	3	32	4	2	240	41	8.48	73	54.42	7/25/1994	11:35	0.3	27.1	6.8	8016
1994	3	32	6	2	237	41	9.274	73	52.181	7/25/1994	15:05	0.3	30	9.7	7019
1994	3	32	6	2	238	41	8.85	73	52.123	7/25/1994	14:52	0.3	29.1	5	6781
1994	3	32	6	2	269	41	9.445	73	52.243	7/25/1994	15:21	0.3	30.5	9.7	6414
1994	3	34	6	2	234	41	10.19	73	53.93	7/25/1994	15:36	0.3	30	9.4	6209
1994	3	35	4	4	277	41	10.95	73	57.06	7/25/1994	10:57	0.3	28.9	7.3	5613
1994	3	36	4	4	226	41	11.8	73	57.5	7/25/1994	10:36	0.3	28.1	6.6	6078
1994	3	36	4	4	282	41	11.2	73	57.17	7/25/1994	10:43	0.3	28.1	7.2	6078
1994	3	38	4	4	221	41	13.43	73	57.79	7/25/1994	9:29	0.3	24	7.3	4321
1994	3	38	4	4	222	41	12.979	73	57.867	7/25/1994	9:35	0.3	24	7.3	4321
1994	3	38	4	4	280	41	13.4	73	57.81	7/25/1994	9:45	0.3	24	7.2	4332
1994	3	40	6	4	211	41	14.88	73	57.6	7/25/1994	16:07	0.3	30.1	7.8	4580
1994	3	43	6	4	202	41	17.12	73	55.98	7/25/1994	16:30	0.3	30	7	1161
1994	3	43	6	4	204	41	16.693	73	56.484	7/25/1994	16:43	0.3	29.5	7.4	1809
1994	3	49	4	4	196	41	21.16	73	57.74	7/27/1994	18:25	0.3	27	6.5	813
1994	3	51	6	4	195	41	22.87	73	50.61	7/27/1994	18:07	0.3	27	7.1	449
1994	3	53	6	4	191	41	24.882	73	57.554	7/27/1994	17:48	0.3	26.5	7.3	359
1994	3	57	4	4	185	41	27.68	74	0.73	7/27/1994	17:27	0.3	27.8	8.4	263
1994	3	59	6	2	178	41	29.25	73	59.32	7/27/1994	17:05	0.3	27.5	9.4	311
1994	3	59	6	2	181	41	29.04	73	59.33	7/27/1994	17:16	0.3	27.5	9.2	312
1994	3	63	6	2	167	41	32.41	73	58.61	7/27/1994	16:35	0.3	28	8.1	258
1994	3	63	6	2	168	41	32.3	73	58.633	7/27/1994	16:46	0.3	28	8	259
1994	3	69	4	2	155	41	37.44	73	57.43	7/27/1994	15:40	0.3	27	6.9	263
1994	3	69	6	4	156	41	37.03	73	56.88	7/27/1994	15:56	0.3	27	8	267
1994	3	69	6	2	157	41	36.97	73	56.85	7/27/1994	16:07	0.3	27	8	267
1994	3	72	4	2	151	41	40.04	73	57.11	7/27/1994	15:20	0.3	27	7.2	258
1994	3	74	6	2	148	41	41.15	73	56.31	7/27/1994	15:01	0.3	27	8.4	257
1994	3	76	4	2	144					7/27/1994	14:45	0.3	27	7.7	268
1994	3	77	6	2	140	41	44.56	73	56.17	7/27/1994	14:27	0.3	27	7.4	258
1994	3	80	6	2	137	41	46.14	73	56.82	7/27/1994	14:10	0.3	27	7.7	253
1994	3	81	4	2	135	41	47.474	73	57.457	7/27/1994	13:47	0.3	29	12.4	257
1994	3	83	4	2	131	41	49.33	73	57.31	7/27/1994	13:18	0.3	27.3	8.4	252
1994	3	83	4	2	133	41	48.74	73	57.19	7/27/1994	13:34	0.3	26.5	7.5	251
1994	3	83	6	4	132					7/27/1994	13:03	0.3	27	8	252
1994	3	84	4	4	129	41	50.61	73	57.28	7/27/1994	12:52	0.3	26.5	7.8	250
1994	3	85	6	4	127	41	51.18	73	56.5	7/27/1994	12:38	0.3	26.3	7.6	244
1994	3	86	6	4	125	41	51.75	73	55.89	7/27/1994	12:23	0.3	27.3	8.7	249
1994	3	88	6	4	122	41	53.023	73	56.214	7/27/1994	12:01	0.3	27	8.5	251
1994	3	89	6	4	121	41	53.84	73	57.04	7/27/1994	11:41	0.3	26.1	7.5	251
1994	3	90	6	4	120	41	54.02	73	57.2	7/27/1994	11:32	0.3	26.1	7.5	251

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	3	91	6	4	119	41	55.847	73	56.774	7/27/1994	11:16	0.3	25.6	6.8	255
1994	3	92	4	4	118	41	56.32	73	58.1	7/27/1994	8:15	0.3	25.5	6.8	247
1994	3	93	4	4	116	41	57.05	73	57.77	7/27/1994	8:42	0.3	26	6.9	246
1994	3	93	6	4	117	41	57.036	73	56.721	7/27/1994	10:44	0.3	26	7.4	245
1994	3	94	4	4	113	41	58.38	73	57.25	7/27/1994	9:05	0.3	26	7.2	235
1994	3	94	4	4	115	41	57.78	73	57.47	7/27/1994	8:53	0.3	25.9	6.9	242
1994	3	94	6	4	114	41	58.085	73	56.467	7/27/1994	10:28	0.3	26	8.2	239
1994	3	95	4	4	111	41	59.083	73	57.079	7/27/1994	9:22	0.3	26.2	7.4	230
1994	3	95	6	4	112	41	58.238	73	56.123	7/27/1994	10:17	0.3	25.8	7.1	237
1994	3	96	4	4	105	42	0.22	73	56.65	7/27/1994	9:54	0.3	26	7.7	232
1994	3	96	4	4	108	41	59.76	73	56.81	7/27/1994	9:41	0.3	26.2	7.1	230
1994	3	96	4	4	110	41	59.4	73	56.94	7/27/1994	9:33	0.3	26.2	7.2	228
1994	3	97	4	4	102	42	0.83	73	56.38	7/26/1994	18:56	0.3	28	6.8	267
1994	3	97	4	4	103	42	0.5	73	56.51	7/27/1994	10:05	0.3	26	7.5	232
1994	3	98	4	2	100	42	1.67	73	56.54	7/26/1994	18:35	0.3	27.5	6.9	265
1994	3	98	4	2	101	42	1.426	73	56.456	7/26/1994	18:46	0.3	27.5	6.9	265
1994	3	99	6	2	99	42	2.02	73	55.73	7/26/1994	18:22	0.3	28	7.1	269
1994	3	105	4	4	98	42	7.33	73	55.3	7/26/1994	17:49	0.3	28.9	6.5	297
1994	3	106	4	2	96	42	8.147	73	54.796	7/26/1994	17:33	0.3	29.9	6.9	307
1994	3	109	6	2	92	42	10.27	73	52.32	7/26/1994	17:02	0.3	30.2	6.8	332
1994	3	109	6	2	93	42	9.91	73	52.81	7/26/1994	17:14	0.3	30.1	6.8	334
1994	3	113	6	2	87	42	13.32	73	50.85	7/26/1994	16:37	0.3	30	6.8	319
1994	3	114	4	2	81	42	14.39	73	50.549	7/26/1994	16:00	0.3	29	6.6	331
1994	3	114	4	2	82	42	14.31	73	50.58	7/26/1994	16:11	0.3	29	6.7	331
1994	3	114	4	2	83	42	14.26	73	50.71	7/26/1994	16:25	0.3	30.5	6.6	332
1994	3	115	6	2	79	42	14.8	73	49	7/26/1994	14:56	0.3	27	8.7	234
1994	3	115	6	2	80	42	14.8	73	49.1	7/26/1994	15:42	0.3	30.8	9.1	319
1994	3	116	6	2	77	42	15.02	73	48.31	7/26/1994	14:39	0.3	27	7.6	316
1994	3	118	4	4	75	42	16.12	73	47.49	7/26/1994	14:22	0.3	27.7	10	210
1994	3	119	4	4	70	42	17.317	73	47.373	7/26/1994	14:01	0.3	27	11.2	228
1994	3	119	6	4	69	42	17.29	73	46.78	7/26/1994	11:43	0.3	27.5	8.7	232
1994	3	121	6	4	67	42	18.82	73	46.89	7/26/1994	13:28	0.3	27	6.8	230
1994	3	122	6	4	62	42	20.105	73	46.848	7/26/1994	12:57	0.3	27	6.8	232
1994	3	122	6	4	64	42	19.9	73	46.8	7/26/1994	13:08	0.3	27	6.8	234
1994	3	124	4	4	55	42	21.64	73	47.62	7/26/1994	11:59	0.3	26.9	6.8	244
1994	3	124	4	4	58					7/26/1994	12:42	0.3	27	6.7	230
1994	3	124	6	4	56	42	21.49	73	47.29	7/26/1994	12:13	0.3	26.8	6.4	244
1994	3	124	6	4	57	42	21.28	73	47.32	7/26/1994	12:25	0.3	27	8.2	232
1994	3	125	6	4	52	42	22.39	73	47.45	7/26/1994	11:47	0.3	27	7.1	244
1994	3	129	6	4	40	42	25.67	73	46.67	7/26/1994	11:23	0.3	27	6.5	237
1994	3	131	4	4	33	42	28.06	73	47.13	7/26/1994	11:05	0.3	27.2	6.4	243
1994	3	132	4	4	32	42	28.13	73	47.21	7/26/1994	10:54	0.3	27	6.4	244
1994	3	134	4	4	27	42	30.17	73	46.88	7/26/1994	10:33	0.3	27	6.4	237

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	3	137	6	4	24	42	32.262	73	45.288	7/26/1994	10:15	0.3	27	6.6	228
1994	3	139	4	4	18	42	34.14	73	45.24	7/26/1994	9:45	0.3	27.5	8.6	219
1994	3	139	4	4	19	42	34.03	73	45.26	7/26/1994	9:58	0.3	27.5	8.5	218
1994	3	139	6	4	14	42	34.34	73	45.02	7/26/1994	9:34	0.3	27	6.5	220
1994	3	140	4	4	13	42	34.59	73	45.25	7/26/1994	9:23	0.3	27	6.6	218
1994	3	148	6	4	3	42	41.41	73	42.584	7/26/1994	9:00	0.3	26.1	6.6	215
1994	3	149	6	4	2	42	42	73	42.07	7/26/1994	8:48	0.3	26	6.6	213
1994	4	18	4	2	260	40	56.889	73	55.1	8/9/1994	12:54	0.3	25.4	5.7	18179
1994	4	20	6	2	258	40	57.73	73	53.661	8/9/1994	12:38	0.3	25.1	6.1	18689
1994	4	21	6	2	257	40	59.13	73	53.13	8/9/1994	12:11	0.3	25.8	6.8	15483
1994	4	23	6	2	254	41	1.086	73	52.681	8/9/1994	11:30	0.3	25.8	7.8	13915
1994	4	23	6	2	255	41	0.74	73	52.83	8/9/1994	11:54	0.3	25.8	6.6	15581
1994	4	24	6	2	252	41	2.057	73	52.505	8/9/1994	13:21	0.3	25	6.1	16436
1994	4	25	4	2	250	41	2.86	73	55.07	8/9/1994	10:38	0.3	25	8.7	11953
1994	4	25	4	2	270	41	2.783	73	55.05	8/9/1994	10:51	0.3	25.1	8.2	12824
1994	4	25	4	2	284	41	2.57	73	54.94	8/9/1994	11:07	0.3	25.4	8.8	12251
1994	4	25	6	2	251	41	2.46	73	52.42	8/9/1994	13:43	0.3	25	6	16037
1994	4	26	4	2	246	41	3.6	73	55.2	8/9/1994	9:59	0.3	25	9.2	11655
1994	4	26	4	2	271	41	3.77	73	55.22	8/9/1994	9:49	0.3	25	9.2	11655
1994	4	26	4	2	285	41	3.607	73	55.196	8/9/1994	10:18	0.3	25.2	9.2	11904
1994	4	26	6	2	247	41	3.891	73	52.077	8/9/1994	14:28	0.3	25.4	6.7	14425
1994	4	26	6	2	248	41	3.273	73	52.221	8/9/1994	14:11	0.3	25.2	6.3	15476
1994	4	26	6	2	249	41	2.67	73	52.3	8/9/1994	13:56	0.3	25.2	6.4	14980
1994	4	27	4	2	245	41	4.19	73	55.21	8/9/1994	9:35	0.3	24.9	9	11279
1994	4	27	4	2	272	41	4.49	73	55.14	8/9/1994	9:19	0.3	24.9	8.4	11379
1994	4	28	6	4	243	41	5.683	73	52.214	8/9/1994	14:53	0.3	25.5	7	12818
1994	4	28	6	4	244	41	5.33	73	52.33	8/9/1994	14:45	0.3	25.5	7	13113
1994	4	29	4	2	242	41	6.1	73	54.88	8/9/1994	9:00	0.3	24.9	8.1	11579
1994	4	30	4	2	241	41	7.14	73	54.77	8/9/1994	8:43	0.3	24.9	8.3	9782
1994	4	31	4	4	283	41	8.34	73	54.4	8/9/1994	8:30	0.3	25.4	7.6	9781
1994	4	32	4	4	239	41	8.81	73	54.6	8/9/1994	8:05	0.3	25.4	8.6	9583
1994	4	32	4	4	240	41	8.48	73	54.42	8/9/1994	8:20	0.3	25.4	7.6	9781
1994	4	32	6	4	237	41	9.274	73	52.181	8/9/1994	15:28	0.3	25.8	9.9	9799
1994	4	32	6	4	238	41	8.85	73	52.123	8/9/1994	15:12	0.3	26.1	7.5	9740
1994	4	32	6	4	269	41	9.445	73	52.243	8/9/1994	15:37	0.3	25.9	9.8	9388
1994	4	33	6	4	236	41	9.79	73	52.202	8/9/1994	15:47	0.3	26.6	10.2	9641
1994	4	34	6	2	233	41	10.662	73	53.922	8/10/1994	10:16	0.3	24	7.9	8033
1994	4	35	4	4	229	41	10.59	73	56.41	8/10/1994	9:49	0.3	25.2	6.8	7738
1994	4	35	4	4	230	41	10.59	73	56.39	8/10/1994	9:59	0.3	25.1	6.9	7754
1994	4	35	4	4	277	41	10.95	73	57.06	8/10/1994	9:33	0.3	22.3	7.4	6530
1994	4	35	6	2	232	41	11.172	73	53.996	8/10/1994	10:31	0.3	24.3	8.5	7882
1994	4	36	4	4	226	41	11.8	73	57.5	8/10/1994	9:07	0.3	24	6.8	7118
1994	4	36	4	4	227	41	11.02	73	57.41	8/10/1994	9:25	0.3	22.3	7.4	6425

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	4	36	4	4	281	41	11.13	73	57.16	8/10/1994	8:54	0.3	24.5	6.8	6944
1994	4	36	6	2	276	41	12.17	73	53.51	8/10/1994	10:46	0.3	24.3	8.9	8185
1994	4	38	4	4	222	41	12.979	73	57.867	8/10/1994	8:35	0.3	25.3	6.8	6138
1994	4	38	4	4	223	41	12.89	73	57.806	8/10/1994	8:26	0.3	25.3	6.8	6138
1994	4	38	4	4	279	41	13.36	73	57.82	8/10/1994	8:08	0.3	25.6	6.8	6199
1994	4	38	4	4	280	41	13.4	73	57.81	8/10/1994	7:49	0.3	25.5	7.9	6705
1994	4	38	6	2	220					8/10/1994	11:10	0.3	24.8	8.3	7101
1994	4	39	6	2	218	41	14.02	73	56.4	8/10/1994	11:31	0.3	25	9.6	7172
1994	4	40	4	2	214	41	14.31	73	58.5	8/10/1994	11:52	0.3	26	8.2	6051
1994	4	40	6	2	211	41	14.88	73	57.6	8/10/1994	12:09	0.3	26.3	7.8	6014
1994	4	43	6	2	202	41	17.12	73	55.98	8/10/1994	13:17	0.3	27.1	7	3082
1994	4	43	6	2	204	41	16.693	73	56.484	8/10/1994	12:27	0.3	25.9	7.6	3912
1994	4	49	4	2	196	41	21.16	73	57.74	8/10/1994	13:45	0.3	26.5	6.5	1352
1994	4	52	6	2	193	41	24.12	73	57.31	8/10/1994	14:11	0.3	26.9	6.5	1102
1994	4	53	4	2	192	41	24.19	73	57.95	8/10/1994	14:27	0.3	26	7	1371
1994	4	53	6	2	191	41	24.882	73	57.554	8/10/1994	14:44	0.3	27	7.8	784
1994	4	55	6	2	189	41	25.66	73	58.14	8/10/1994	14:58	0.3	27.4	7.5	465
1994	4	56	4	2	187	41	26.83	74	0.5	8/10/1994	15:33	0.3	27.9	8.5	299
1994	4	56	4	2	188	41	26.47	73	59.66	8/10/1994	15:18	0.3	27.5	8.6	308
1994	4	57	4	2	186	41	27.28	74	0.8	8/10/1994	15:46	0.3	28	8.3	286
1994	4	58	4	2	184	41	27.78	74	0.7	8/10/1994	15:56	0.3	27.9	8.3	291
1994	4	59	6	4	178	41	29.25	73	59.32	8/10/1994	8:15	0.3	24.5	6	282
1994	4	60	6	4	176	41	29.57	73	59.06	8/11/1994	8:08	0.3	24.9	7.2	299
1994	4	63	6	4	169	41	32.07	73	58.83	8/11/1994	8:36	0.3	24.5	5	262
1994	4	69	6	4	156	41	37.03	73	56.88	8/11/1994	9:24	0.3	25.2	7.5	268
1994	4	69	6	4	157	41	36.97	73	56.85	8/11/1994	9:05	0.3	25.3	7.4	262
1994	4	71	4	4	154	41	38.88	73	57.23	8/11/1994	10:06	0.3	25.3	6.8	247
1994	4	74	6	4	149	41	41.064	73	56.289	8/11/1994	10:40	0.3	25	8	274
1994	4	77	6	2	143	41	43.83	73	56.16	8/11/1994	11:06	0.3	25	7.5	234
1994	4	78	4	2	139	41	44.786	73	56.758	8/11/1994	11:57	0.3	25.1	8.2	234
1994	4	80	6	2	137	41	46.14	73	56.82	8/11/1994	12:11	0.3	25.3	7.3	231
1994	4	81	4	2	135	41	47.474	73	57.457	8/11/1994	12:35	0.3	25.3	7.4	226
1994	4	84	6	2	130	41	50.19	73	56.63	8/11/1994	12:57	0.3	25	8.5	231
1994	4	88	6	4	122	41	53.023	73	56.214	8/8/1994	17:42	0.3	26.2	7.5	233
1994	4	89	6	4	121	41	53.84	73	57.04	8/8/1994	17:26	0.3	26.5	7.6	224
1994	4	90	6	4	120	41	54.02	73	57.2	8/8/1994	17:18	0.3	26.5	7.5	223
1994	4	92	4	2	118	41	56.32	73	58.1	8/8/1994	16:17	0.3	27	9.8	118
1994	4	93	4	2	116	41	57.05	73	57.77	8/8/1994	16:03	0.3	26.3	7.3	231
1994	4	95	4	2	111	41	59.083	73	57.079	8/8/1994	15:50	0.3	26.5	7.6	223
1994	4	96	4	2	105	42	0.22	73	56.65	8/8/1994	15:42	0.3	26	7.6	224
1994	4	97	4	2	102	42	0.83	73	56.38	8/8/1994	15:13	0.3	27	8.9	237
1994	4	97	4	2	103	42	0.5	73	56.51	8/8/1994	15:32	0.3	26.1	7.6	225
1994	4	98	4	2	100	42	1.67	73	56.54	8/8/1994	14:52	0.3	25.5	7.6	236

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	4	98	4	2	101	42	1.426	73	56.456	8/8/1994	15:00	0.3	25.5	7.6	237
1994	4	105	4	2	97	42	7.68	73	55.13	8/8/1994	14:13	0.3	27.4	8.5	117
1994	4	105	4	2	98	42	7.33	73	55.3	8/8/1994	14:23	0.3	26.5	8.6	119
1994	4	106	4	2	96	42	8.147	73	54.796	8/8/1994	14:02	0.3	26.2	7.6	241
1994	4	109	6	2	92	42	10.27	73	52.32	8/8/1994	13:39	0.3	26	11.5	240
1994	4	112	4	2	88	42	12.69	73	51.26	8/8/1994	13:20	0.3	26.2	9.8	141
1994	4	113	6	2	87	42	13.32	73	50.85	8/8/1994	13:00	0.3	28.1	11.8	225
1994	4	114	4	2	83	42	14.26	73	50.71	8/8/1994	12:07	0.3	27	9.3	236
1994	4	114	6	2	85	42	13.54	73	50.75	8/8/1994	12:34	0.3	28	11.8	229
1994	4	115	6	2	80	42	14.8	73	49.1	8/8/1994	11:53	0.3	25.9	7.9	240
1994	4	116	6	4	77	42	15.02	73	48.31	8/8/1994	11:30	0.3	25.6	9.6	224
1994	4	117	4	4	76	42	15.84	73	47.69	8/8/1994	11:09	0.3	26	9.2	224
1994	4	122	6	4	62	42	20.105	73	46.848	8/8/1994	10:47	0.3	25	7.2	239
1994	4	123	4	4	60	42	20.64	73	47.39	8/8/1994	10:31	0.3	25.2	7.2	233
1994	4	125	4	4	53	42	22.27	73	47.62	8/8/1994	10:11	0.3	25.5	7.9	237
1994	4	127	6	4	47	42	23.853	73	46.901	8/8/1994	9:51	0.3	25.1	7.2	237
1994	4	128	4	4	44	42	25	73	46.99	8/8/1994	9:30	0.3	25	6.9	239
1994	4	129	6	4	40	42	25.67	73	46.67	8/8/1994	9:16	0.3	25	7	238
1994	4	130	4	4	37	42	26.76	73	47.22	8/8/1994	8:49	0.3	25.1	7.2	250
1994	4	132	4	4	30					8/8/1994	8:35	0.3	25	6.8	278
1994	4	134	4	4	27	42	30.17	73	46.88	8/8/1994	8:19	0.3	25	6.7	266
1994	5	15	4	2	263	40	54.252	73	55.961	8/24/1994	14:11	0.3	24.5	7.1	13284
1994	5	15	4	4	264	40	53.57	73	56.32	8/24/1994	14:25	0.3	24.9	6.9	13675
1994	5	16	4	2	262	40	54.9	73	55.7	8/24/1994	14:00	0.3	24.5	7.1	13083
1994	5	19	6	4	259	40	57.735	73	53.561	8/24/1994	14:57	0.3	24.5	7.1	11573
1994	5	21	6	4	257	40	59.13	73	53.13	8/24/1994	15:21	0.3	24.9	7.6	9982
1994	5	24	6	4	252	41	2.057	73	52.505	8/24/1994	15:51	0.3	24.7	7.6	8619
1994	5	24	6	4	253	41	1.169	73	52.711	8/24/1994	15:41	0.3	24.8	7.4	8902
1994	5	25	4	2	250	41	2.86	73	55.07	8/24/1994	13:05	0.3	25	8.8	5977
1994	5	25	4	2	270	41	2.783	73	55.05	8/24/1994	13:19	0.3	25.2	8.8	7043
1994	5	25	6	4	251	41	2.46	73	52.42	8/24/1994	16:03	0.3	24.9	7.5	7885
1994	5	26	4	2	246	41	3.6	73	55.2	8/24/1994	12:39	0.3	24.3	9.3	5861
1994	5	26	4	2	271	41	3.77	73	55.22	8/24/1994	12:29	0.3	24.2	9.3	5772
1994	5	26	4	2	285	41	3.607	73	55.196	8/24/1994	12:51	0.3	24.5	8.9	6139
1994	5	26	6	4	247	41	3.891	73	52.077	8/24/1994	16:35	0.3	25.4	9.1	5928
1994	5	26	6	4	248	41	3.273	73	52.221	8/24/1994	16:22	0.3	24.5	7.6	6843
1994	5	26	6	4	249	41	2.67	73	52.3	8/24/1994	16:13	0.3	24.5	7.6	7045
1994	5	27	4	2	245	41	4.19	73	55.21	8/24/1994	12:15	0.3	24.5	9.4	4982
1994	5	27	4	2	272	41	4.49	73	55.14	8/24/1994	12:01	0.3	24.1	8.7	4972
1994	5	28	6	4	243	41	5.683	73	52.214	8/24/1994	17:02	0.3	25	9.4	4981
1994	5	28	6	4	244	41	5.33	73	52.33	8/24/1994	16:51	0.3	25	9.4	5080
1994	5	29	4	2	242	41	6.1	73	54.88	8/24/1994	11:45	0.3	24.7	8.1	4209
1994	5	30	4	2	241	41	7.14	73	54.77	8/24/1994	11:31	0.3	24.8	8.1	4051

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	5	31	4	2	283	41	8.34	73	54.4	8/24/1994	11:19	0.3	24.8	7.8	3301
1994	5	32	4	2	239	41	8.81	73	54.6	8/24/1994	10:56	0.3	25	7.6	2281
1994	5	32	4	2	240	41	8.48	73	54.42	8/24/1994	11:11	0.3	24.7	7.8	3257
1994	5	32	6	4	237	41	9.274	73	52.181	8/24/1994	17:33	0.3	26	8.5	2879
1994	5	32	6	4	238	41	8.85	73	52.123	8/24/1994	17:20	0.3	26.4	9	2952
1994	5	32	6	4	269	41	9.445	73	52.243	8/24/1994	17:45	0.3	26.4	8.7	2691
1994	5	33	6	4	236	41	9.79	73	52.202	8/24/1994	18:00	0.3	26	9.1	2977
1994	5	34	6	4	234	41	10.19	73	53.93	8/25/1994	9:38	0.3	23.6	8.1	2573
1994	5	35	4	4	229	41	10.59	73	56.41	8/25/1994	9:14	0.3	24.5	7.2	1439
1994	5	35	4	4	230	41	10.59	73	56.39	8/25/1994	9:22	0.3	24.5	7.2	1439
1994	5	35	4	4	277	41	10.95	73	57.06	8/25/1994	8:59	0.3	23.5	8.4	1592
1994	5	35	6	4	231	41	11.23	73	53.69	8/25/1994	10:00	0.3	24.1	9.3	2547
1994	5	35	6	2	275	41	11.31	73	53.54	8/25/1994	10:13	0.3	24	9.3	2562
1994	5	36	4	4	227	41	11.02	73	57.41	8/25/1994	8:49	0.3	23.5	8.4	1623
1994	5	36	4	4	281	41	11.13	73	57.16	8/25/1994	8:33	0.3	23.5	7.7	1695
1994	5	36	4	4	282	41	11.2	73	57.17	8/25/1994	8:23	0.3	23.5	7.7	1664
1994	5	38	4	4	221	41	13.43	73	57.79	8/25/1994	7:36	0.3	23.8	7.2	1021
1994	5	38	4	4	278	41	12.96	73	57.828	8/25/1994	8:02	0.3	23.5	7.6	1027
1994	5	38	4	4	279	41	13.36	73	57.82	8/25/1994	7:54	0.3	23.5	7.6	1027
1994	5	38	4	4	280	41	13.4	73	57.81	8/25/1994	7:44	0.3	23.8	7.2	1021
1994	5	38	6	2	220					8/25/1994	10:34	0.3	25.3	7.8	1089
1994	5	39	6	2	217	41	14.098	73	56.682	8/25/1994	10:55	0.3	25.5	7.8	966
1994	5	40	6	2	213	41	14.64	73	57.15	8/25/1994	11:20	0.3	25.9	7.8	714
1994	5	43	6	2	202	41	17.12	73	55.98	8/25/1994	12:22	0.3	25.9	7.9	428
1994	5	43	6	2	204	41	16.693	73	56.484	8/25/1994	11:45	0.3	26	8.6	405
1994	5	44	6	2	201	41	17.74	73	56.87	8/25/1994	12:51	0.3	25.9	7.9	352
1994	5	49	4	4	196	41	21.16	73	57.74	8/23/1994	18:33	0.3	24.6	7.3	301
1994	5	52	6	4	193	41	24.12	73	57.31	8/23/1994	17:57	0.3	24.5	8	272
1994	5	52	6	4	194	41	24.12	73	56.81	8/23/1994	18:08	0.3	24.5	8	272
1994	5	53	4	4	192	41	24.19	73	57.95	8/23/1994	17:36	0.3	24.5	7.6	282
1994	5	55	6	4	189	41	25.66	73	58.14	8/23/1994	17:10	0.3	25	8.5	257
1994	5	56	4	4	187	41	26.83	74	0.5	8/23/1994	16:28	0.3	24.8	8.6	255
1994	5	57	4	2	186	41	27.28	74	0.8	8/23/1994	16:06	0.3	24.6	8.8	251
1994	5	58	4	2	183	41	28.02	74	0.87	8/23/1994	15:54	0.3	24.6	8.8	251
1994	5	59	6	2	179	41	29.24	73	59.34	8/23/1994	15:22	0.3	23.5	8.3	262
1994	5	59	6	2	181	41	29.04	73	59.33	8/23/1994	15:34	0.3	23.5	8.3	262
1994	5	61	4	2	174	41	31.15	74	0.37	8/23/1994	14:58	0.3	24.5	8.1	251
1994	5	69	4	2	155	41	37.44	73	57.43	8/23/1994	14:01	0.3	23.5	8.2	246
1994	5	69	6	2	156	41	37.03	73	56.88	8/23/1994	14:20	0.3	23.1	8.1	334
1994	5	72	4	2	151	41	40.04	73	57.11	8/23/1994	13:30	0.3	23.9	9.4	246
1994	5	73	6	2	150	41	40.28	73	56.49	8/23/1994	12:57	0.3	23.9	7.8	246
1994	5	76	4	2	144					8/23/1994	12:26	0.3	21.2	9	282
1994	5	77	6	2	140	41	44.56	73	56.17	8/22/1994	11:24	0.3	22.8	8.2	250

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1994	5	77	6	2	143	41	43.83	73	56.16	8/23/1994	11:50	0.3	22.8	8.2	250
1994	5	78	6	4	138	41	45.18	73	56.22	8/23/1994	10:56	0.3	22.8	9.1	255
1994	5	85	4	4	128					8/23/1994	10:18	0.3	22.8	8.6	253
1994	5	85	6	4	127	41	51.18	73	56.5	8/23/1994	9:58	0.3	22.1	7.8	259
1994	5	86	6	4	125	41	51.75	73	55.89	8/23/1994	9:30	0.3	20.6	7.8	261
1994	5	89	6	4	121	41	53.84	73	57.04	8/23/1994	9:00	0.3	21.9	7.5	264
1994	5	90	6	4	120	41	54.02	73	57.2	8/23/1994	8:37	0.3	21.9	7.4	264
1994	5	92	4	4	118	41	56.32	73	58.1	8/23/1994	7:53	0.3	21.5	7.7	280
1994	5	93	4	4	116	41	57.05	73	57.77	8/23/1994	8:18	0.3	21.9	7.7	286
1994	5	96	4	2	108	41	59.76	73	56.81	8/22/1994	18:23	0.3	21	8.8	243
1994	5	96	4	2	110	41	59.4	73	56.94	8/22/1994	18:33	0.3	22.7	7.7	256
1994	5	97	4	2	102	42	0.83	73	56.38	8/22/1994	17:55	0.3	22	8.1	260
1994	5	97	4	2	103	42	0.5	73	56.51	8/22/1994	18:11	0.3	21	8.8	239
1994	5	98	4	2	100	42	1.67	73	56.54	8/22/1994	17:36	0.3	21.9	8.2	268
1994	5	99	6	2	99	42	2.02	73	55.73	8/22/1994	17:20	0.3	21.8	8.7	265
1994	5	105	4	2	97	42	7.68	73	55.13	8/22/1994	16:40	0.3	22.1	7.9	265
1994	5	105	4	2	98	42	7.33	73	55.3	8/22/1994	16:52	0.3	22.2	8	266
1994	5	106	4	2	96	42	8.147	73	54.796	8/22/1994	16:25	0.3	22.5	7.3	272
1994	5	111	6	2	89					8/22/1994	16:01	0.3	20	9.7	290
1994	5	113	4	2	86	42	13.12	73	51.33	8/22/1994	15:40	0.3	21.9	8.2	274
1994	5	117	4	2	76	42	15.84	73	47.69	8/22/1994	14:34	0.3	21.5	9.3	278
1994	5	119	4	4	70	42	17.317	73	47.373	8/22/1994	14:01	0.3	21.7	8.5	278
1994	5	119	6	4	71	42	17.16	73	46.8	8/22/1994	14:18	0.3	20.7	8.7	267
1994	5	121	4	4	68	42	18.53	73	47.1	8/22/1994	13:34	0.3	21.9	8.3	276
1994	5	121	6	4	67	42	18.82	73	46.89	8/22/1994	13:17	0.3	21.3	8.5	273
1994	5	122	6	4	62	42	20.105	73	46.848	8/22/1994	12:43	0.3	21.3	8.3	280
1994	5	122	6	4	64	42	19.9	73	46.8	8/22/1994	12:58	0.3	21.3	8.3	280
1994	5	133	4	4	29	42	29.09	73	47.273	8/22/1994	12:09	0.3	21.9	8.3	271
1994	5	138	4	4	20	42	33.5	73	45.35	8/22/1994	11:39	0.3	21.8	8.3	264
1994	5	139	4	4	15	42	34.32	73	45.25	8/22/1994	11:13	0.3	21.8	8.2	265
1994	5	140	4	4	12					8/22/1994	10:49	0.3	21.8	8.4	264
1994	5	140	6	4	11					8/22/1994	10:28	0.3	21.8	7.5	258
1994	5	145	6	4	4	42	39.51	73	44.09	8/22/1994	9:29	0.3	21.5	8.1	243
1994	5	145	6	4	5	42	39.19	73	44.41	8/22/1994	9:52	0.3	21.5	8.2	235
1994	6	16	4	4	262	40	54.9	73	55.7	9/6/1994	12:48	0.3	22	6.5	24164
1994	6	18	4	4	260	40	56.889	73	55.1	9/6/1994	12:31	0.3	22.1	7.2	17979
1994	6	22	6	4	256	40	59.97	73	53.05	9/6/1994	13:20	0.3	22.2	7.5	16359
1994	6	23	6	4	254	41	1.086	73	52.681	9/6/1994	13:49	0.3	22.5	8.2	15523
1994	6	23	6	4	255	41	0.74	73	52.83	9/6/1994	13:35	0.3	22.2	7.7	15937
1994	6	24	6	4	252	41	2.057	73	52.505	9/6/1994	14:22	0.3	22.7	8.8	15145
1994	6	24	6	4	253	41	1.169	73	52.711	9/6/1994	14:08	0.3	22.5	8.6	15523
1994	6	25	4	2	250	41	2.86	73	55.07	9/6/1994	11:44	0.3	21.8	7.9	11813
1994	6	25	4	2	270	41	2.783	73	55.05	9/6/1994	11:58	0.3	22	8.7	11764

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1994	6	25	6	4	251	41	2.46	73	52.42	9/6/1994	14:33	0.3	22.8	9.4	14384
1994	6	26	4	2	246	41	3.6	73	55.2	9/6/1994	11:15	0.3	21.8	7.9	11813
1994	6	26	4	2	271	41	3.77	73	55.22	9/6/1994	11:05	0.3	21.8	8	11707
1994	6	26	4	2	285	41	3.607	73	55.196	9/6/1994	11:31	0.3	21.9	7.9	11788
1994	6	26	6	4	247	41	3.891	73	52.077	9/6/1994	15:08	0.3	22.8	8.6	12821
1994	6	26	6	4	248	41	3.273	73	52.221	9/6/1994	14:56	0.3	22.7	8.8	14414
1994	6	26	6	4	249	41	2.67	73	52.3	9/6/1994	14:46	0.3	22.3	8.3	14745
1994	6	27	4	2	245	41	4.19	73	55.21	9/6/1994	10:51	0.3	21.2	8	11855
1994	6	27	4	2	272	41	4.49	73	55.14	9/6/1994	10:35	0.3	21.4	8	11590
1994	6	28	6	4	243	41	5.683	73	52.214	9/6/1994	15:30	0.3	23	9	11418
1994	6	28	6	4	244	41	5.33	73	52.33	9/6/1994	15:23	0.3	23	9.2	11418
1994	6	29	4	2	242	41	6.1	73	54.88	9/6/1994	10:16	0.3	21.9	8.1	11576
1994	6	30	4	2	241	41	7.14	73	54.77	9/6/1994	10:02	0.3	21.2	8.3	10777
1994	6	31	4	4	283	41	8.34	73	54.4	9/6/1994	17:04	0.3	22.5	8.6	9964
1994	6	32	4	2	239	41	8.81	73	54.6	9/6/1994	9:19	0.3	21.8	8.2	9578
1994	6	32	4	2	240	41	8.48	73	54.42	9/6/1994	9:40	0.3	21.7	8	10238
1994	6	32	6	4	237	41	9.274	73	52.181	9/6/1994	16:05	0.3	23.8	8.8	8985
1994	6	32	6	4	238	41	8.85	73	52.123	9/6/1994	15:50	0.3	23	8.7	9446
1994	6	32	6	4	269	41	9.445	73	52.243	9/6/1994	16:21	0.3	23.1	9.8	9116
1994	6	33	6	4	236	41	9.79	73	52.202	9/6/1994	16:42	0.3	23.5	9.2	8835
1994	6	34	6	4	233	41	10.662	73	53.922	9/6/1994	17:35	0.3	23	9.2	8408
1994	6	34	6	4	234	41	10.19	73	53.93	9/6/1994	17:24	0.3	23	9.3	8512
1994	6	35	4	4	229	41	10.59	73	56.41	9/9/1994	10:02	0.3	23.1	7.5	6733
1994	6	35	4	4	277	41	10.95	73	57.06	9/9/1994	9:41	0.3	21.4	8.4	7727
1994	6	35	6	2	232	41	11.172	73	53.996	9/9/1994	10:18	0.3	21.8	11.1	8088
1994	6	35	6	2	274	41	11.17	73	53.71	9/9/1994	10:40	0.3	22.4	12.5	8303
1994	6	36	4	4	227	41	11.02	73	57.41	9/9/1994	9:26	0.3	22.5	8.5	7761
1994	6	36	6	2	228	41	12.25	73	53.5	9/9/1994	11:09	0.3	22.5	12.8	7657
1994	6	38	4	4	221	41	13.43	73	57.79	9/9/1994	7:51	0.3	21.7	7.5	5652
1994	6	38	4	4	222	41	12.979	73	57.867	9/9/1994	8:25	0.3	21.8	7.4	6492
1994	6	38	4	4	223	41	12.89	73	57.806	9/9/1994	9:03	0.3	22.3	7.8	6319
1994	6	38	4	4	278	41	12.96	73	57.828	9/9/1994	8:42	0.3	21.7	7.9	6505
1994	6	38	4	4	280	41	13.4	73	57.81	9/9/1994	8:13	0.3	22	7.2	6465
1994	6	38	6	2	220					9/9/1994	11:40	0.3	23.3	8.8	6912
1994	6	40	4	4	214	41	14.31	73	58.5	9/8/1994	16:53	0.3	21.5	9.3	6319
1994	6	40	6	4	212					9/8/1994	17:08	0.3	21.6	9.5	6947
1994	6	41	6	4	208	41	15.72	73	50.84	9/8/1994	17:22	0.3	22	8.4	6465
1994	6	46	4	2	198	41	19.7	73	59	9/8/1994	15:57	0.3	21.4	8	4293
1994	6	46	6	4	199	41	19.42	73	58.77	9/8/1994	16:24	0.3	21.8	7.7	3831
1994	6	49	4	2	196	41	21.16	73	57.74	9/8/1994	15:35	0.3	21	7.6	2597
1994	6	52	6	2	193	41	24.12	73	57.31	9/8/1994	15:04	0.3	22.5	7.8	1699
1994	6	52	6	2	194	41	24.12	73	56.81	9/8/1994	15:14	0.3	22.4	7.8	1724
1994	6	53	4	2	192	41	24.19	73	57.95	9/8/1994	14:48	0.3	21.9	8.2	1041

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1994	6	55	6	2	189	41	25.66	73	58.14	9/8/1994	14:32	0.3	21.5	9.2	482
1994	6	56	4	2	187	41	26.83	74	0.5	9/8/1994	14:08	0.3	24	9.5	264
1994	6	58	4	2	184	41	27.78	74	0.7	9/8/1994	13:50	0.3	21.8	10.5	282
1994	6	58	6	2	182	41	28.2	73	59.12	9/8/1994	13:35	0.3	22.9	10	345
1994	6	59	6	2	179	41	29.24	73	59.34	9/8/1994	12:43	0.3	21.7	9.2	320
1994	6	59	6	2	180	41	29.08	73	59.37	9/8/1994	12:54	0.3	21.9	9.2	320
1994	6	59	6	2	181	41	29.04	73	59.33	9/8/1994	13:07	0.3	22	9.5	302
1994	6	62	4	2	171	41	32.19	73	59.91	9/8/1994	12:17	0.3	23.1	8.2	246
1994	6	64	4	2	164	41	33.37	73	59.18	9/8/1994	11:59	0.3	23.1	9.9	249
1994	6	69	6	4	156	41	37.03	73	56.88	9/8/1994	11:07	0.3	22.2	9.8	401
1994	6	69	6	4	158	41	36.94	73	56.81	9/8/1994	11:24	0.3	22.2	9.8	401
1994	6	74	6	4	148	41	41.15	73	56.31	9/8/1994	10:30	0.3	21.5	8.9	256
1994	6	77	6	4	141	41	44.46	73	56.21	9/8/1994	9:35	0.3	21.2	8.2	251
1994	6	77	6	4	142	41	43.92	73	56.14	9/8/1994	9:53	0.3	21.2	8.2	251
1994	6	81	4	4	135	41	47.474	73	57.457	9/8/1994	9:11	0.3	21.6	8.7	252
1994	6	83	4	4	131	41	49.33	73	57.31	9/8/1994	8:35	0.3	21	8.7	249
1994	6	84	4	4	129	41	50.61	73	57.28	9/8/1994	8:16	0.3	20.9	8.7	249
1994	6	86	6	4	125	41	51.75	73	55.89	9/8/1994	7:56	0.3	19.9	9	254
1994	6	87	4	4	123	41	52.616	73	57.292	9/8/1994	7:36	0.3	20.5	9	245
1994	6	92	4	4	118	41	56.32	73	58.1	9/7/1994	17:30	0.3	19.8	11	255
1994	6	93	4	4	116	41	57.05	73	57.77	9/7/1994	17:16	0.3	19.8	9.3	244
1994	6	93	6	4	117	41	57.036	73	56.721	9/7/1994	17:01	0.3	22	8.9	253
1994	6	94	6	2	114	41	58.085	73	56.467	9/7/1994	16:39	0.3	20.4	10	240
1994	6	95	6	2	112	41	58.238	73	56.123	9/7/1994	16:21	0.3	20.2	9.8	238
1994	6	96	4	2	105	42	0.22	73	56.65	9/7/1994	16:02	0.3	20.8	9.5	223
1994	6	97	4	2	102	42	0.83	73	56.38	9/7/1994	15:38	0.3	20.4	9.9	221
1994	6	97	4	2	103	42	0.5	73	56.51	9/7/1994	15:51	0.3	20.8	9.6	222
1994	6	98	4	2	100	42	1.67	73	56.54	9/7/1994	15:14	0.3	21.4	9.4	217
1994	6	98	4	2	101	42	1.426	73	56.456	9/7/1994	15:27	0.3	21.4	9	217
1994	6	105	4	2	97	42	7.68	73	55.13	9/7/1994	14:47	0.3	21	9.1	215
1994	6	106	4	2	96	42	8.147	73	54.796	9/7/1994	14:37	0.3	20.6	8.6	235
1994	6	110	6	2	91	42	10.9	73	51.53	9/7/1994	14:15	0.3	20.6	11.9	218
1994	6	114	4	2	83	42	14.26	73	50.71	9/7/1994	13:45	0.3	23.9	8.9	205
1994	6	115	6	2	79	42	14.8	73	49	9/7/1994	13:26	0.3	22	9	201
1994	6	116	6	2	77	42	15.02	73	48.31	9/7/1994	13:00	0.3	21.5	8.6	269
1994	6	119	4	2	70	42	17.317	73	47.373	9/7/1994	12:20	0.3	22.2	10.5	198
1994	6	119	4	2	72	42	16.82	73	47.28	9/7/1994	12:35	0.3	23	9.1	197
1994	6	121	6	2	67	42	18.82	73	46.89	9/7/1994	11:57	0.3	21.3	8.3	194
1994	6	122	4	4	63	42	19.84	73	47.18	9/7/1994	11:37	0.3	21.4	8.2	193
1994	6	122	6	4	62	42	20.105	73	46.848	9/7/1994	11:08	0.3	21.5	9.9	199
1994	6	123	4	4	60	42	20.64	73	47.39	9/7/1994	10:50	0.3	21.8	8.8	201
1994	6	126	4	4	48	42	23.65	73	47.38	9/7/1994	10:26	0.3	21	8.2	187
1994	6	129	6	4	42	42	25.226	73	46.523	9/7/1994	10:07	0.3	20.4	8.3	187

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1994	6	139	4	4	18	42	34.14	73	45.24	9/7/1994	9:36	0.3	19.8	8.7	176
1994	6	140	4	4	10					9/7/1994	9:17	0.3	19.6	8.6	178
1994	6	145	6	4	4	42	39.51	73	44.09	9/7/1994	8:45	0.3	19.7	8.5	159
1994	6	148	6	4	3	42	41.41	73	42.584	9/7/1994	8:30	0.3	19.2	8.8	156
1994	6	149	6	4	2	42	42	73	42.07	9/7/1994	8:07	0.3	19.5	8.9	155
1994	7	15	4	4	263	40	54.252	73	55.961	9/19/1994	13:16	0.3	22.3	6.5	22855
1994	7	15	4	4	264	40	53.57	73	56.32	9/19/1994	13:32	0.3	22.9	6.6	22988
1994	7	16	4	4	262	40	54.9	73	55.7	9/19/1994	13:00	0.3	22.5	6.7	22550
1994	7	18	4	4	260	40	56.889	73	55.1	9/19/1994	12:42	0.3	22.7	6.9	18070
1994	7	21	6	4	257	40	59.13	73	53.13	9/19/1994	14:03	0.3	22.3	7	18010
1994	7	24	6	4	252	41	2.057	73	52.505	9/19/1994	14:42	0.3	22.3	7.5	15272
1994	7	24	6	4	253	41	1.169	73	52.711	9/19/1994	14:26	0.3	22.5	8.3	16257
1994	7	25	4	4	250	41	2.86	73	55.07	9/19/1994	11:41	0.3	22.1	8.6	11211
1994	7	25	4	4	270	41	2.783	73	55.05	9/19/1994	12:02	0.3	22	8.8	11446
1994	7	25	6	4	251	41	2.46	73	52.42	9/19/1994	15:01	0.3	22.3	8.1	14745
1994	7	26	4	4	246	41	3.6	73	55.2	9/19/1994	11:07	0.3	21.9	8	10833
1994	7	26	4	4	271	41	3.77	73	55.22	9/19/1994	10:59	0.3	21.9	8	10833
1994	7	26	4	4	285	41	3.607	73	55.196	9/19/1994	11:18	0.3	21.9	8.1	11257
1994	7	26	6	4	247	41	3.891	73	52.077	9/19/1994	15:45	0.3	22.3	8.3	12323
1994	7	26	6	4	248	41	3.273	73	52.221	9/19/1994	15:26	0.3	22	7.8	13778
1994	7	26	6	4	249	41	2.67	73	52.3	9/19/1994	15:15	0.3	22.1	8.1	14278
1994	7	27	4	4	245	41	4.19	73	55.21	9/19/1994	10:37	0.3	21.5	8.3	10602
1994	7	27	4	2	272	41	4.49	73	55.14	9/19/1994	10:24	0.3	21.5	7.9	10602
1994	7	28	6	4	243	41	5.683	73	52.214	9/19/1994	16:18	0.3	22.3	8.4	10427
1994	7	28	6	4	244	41	5.33	73	52.33	9/19/1994	16:09	0.3	22.4	8.4	10405
1994	7	29	4	2	242	41	6.1	73	54.88	9/19/1994	10:05	0.3	21.8	8.2	9046
1994	7	30	4	2	241	41	7.14	73	54.77	9/19/1994	9:46	0.3	21.3	8	9679
1994	7	31	4	2	283	41	8.34	73	54.4	9/19/1994	9:32	0.3	21.8	7.7	9578
1994	7	32	4	2	239	41	8.81	73	54.6	9/19/1994	9:03	0.3	21.9	7.8	7647
1994	7	32	4	2	240	41	8.48	73	54.42	9/19/1994	9:20	0.3	21.8	7.7	9365
1994	7	32	6	4	237	41	9.274	73	52.181	9/19/1994	16:52	0.3	22.7	8.6	7416
1994	7	32	6	4	238	41	8.85	73	52.123	9/19/1994	16:36	0.3	22.4	8.4	8198
1994	7	32	6	4	269	41	9.445	73	52.243	9/19/1994	17:06	0.3	22.6	8.6	7431
1994	7	33	6	4	236	41	9.79	73	52.202	9/19/1994	17:22	0.3	22.2	10	7388
1994	7	34	6	4	233	41	10.662	73	53.922	9/20/1994	11:42	0.3	22	8.7	6889
1994	7	34	6	2	234	41	10.19	73	53.93	9/20/1994	11:33	0.3	22	8.7	6995
1994	7	34	6	2	235	41	10.632	73	52.59	9/20/1994	10:57	0.3	20.3	11.5	6480
1994	7	35	4	2	229	41	10.59	73	56.41	9/20/1994	10:32	0.3	22.2	8.1	5488
1994	7	35	4	2	230	41	10.59	73	56.39	9/20/1994	10:38	0.3	22.2	8.1	5488
1994	7	35	4	2	277	41	10.95	73	57.06	9/20/1994	10:21	0.3	22.1	8.2	5288
1994	7	35	6	4	232	41	11.172	73	53.996	9/20/1994	11:54	0.3	22.6	9.1	6280
1994	7	35	6	4	274	41	11.17	73	53.71	9/20/1994	12:29	0.3	22.8	9.6	6358
1994	7	35	6	4	275	41	11.31	73	53.54	9/20/1994	12:38	0.3	22.9	9.5	6241

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	7	38	4	2	221	41	13.43	73	57.79	9/20/1994	9:30	0.3	22.3	8.1	4592
1994	7	38	4	2	222	41	12.979	73	57.867	9/20/1994	9:54	0.3	22.1	8	4653
1994	7	38	4	2	278	41	12.96	73	57.828	9/20/1994	10:05	0.3	22.2	8	4538
1994	7	38	4	2	279	41	13.36	73	57.82	9/20/1994	9:47	0.3	22	8	4663
1994	7	38	4	2	280	41	13.4	73	57.81	9/20/1994	9:39	0.3	22.3	8.1	4634
1994	7	43	6	4	203	41	16.91	73	56.26	9/20/1994	14:00	0.3	23.4	8.5	2471
1994	7	43	6	4	205	41	16.413	73	56.551	9/20/1994	13:31	0.3	24.1	8.2	2395
1994	7	44	6	4	201	41	17.74	73	56.87	9/20/1994	14:34	0.3	23.4	8.1	3397
1994	7	46	4	4	198	41	19.7	73	59	9/20/1994	15:13	0.3	23.5	7.9	3082
1994	7	46	6	4	199	41	19.42	73	58.77	9/20/1994	14:58	0.3	23.5	8	2630
1994	7	49	4	2	196	41	21.16	73	57.74	9/22/1994	14:16	0.3	21.1	7.2	1177
1994	7	52	6	2	193	41	24.12	73	57.31	9/22/1994	13:48	0.3	21.1	6.9	810
1994	7	52	6	2	194	41	24.12	73	56.81	9/22/1994	14:00	0.3	21.1	6.9	821
1994	7	53	4	2	192	41	24.19	73	57.95	9/22/1994	13:38	0.3	21.1	7.1	648
1994	7	55	6	2	189	41	25.66	73	58.14	9/22/1994	13:25	0.3	21	7.2	476
1994	7	57	4	2	185	41	27.68	74	0.73	9/22/1994	12:39	0.3	20.5	7.5	295
1994	7	57	4	2	186	41	27.28	74	0.8	9/22/1994	12:47	0.3	20.5	7.5	295
1994	7	58	4	4	183	41	28.02	74	0.87	9/22/1994	12:18	0.3	20.5	7.8	293
1994	7	58	4	2	184	41	27.78	74	0.7	9/22/1994	12:28	0.3	20.5	7.8	295
1994	7	58	6	2	182	41	28.2	73	59.12	9/22/1994	13:06	0.3	20.5	7.7	399
1994	7	61	4	2	174	41	31.15	74	0.37	9/22/1994	11:51	0.3	21.2	7.2	259
1994	7	64	6	1	165	41	32.66	73	58.52	9/22/1994	11:32	0.3	20.6	7.2	272
1994	7	69	6	2	156	41	37.03	73	56.88	9/22/1994	10:49	0.3	21.2	6.9	275
1994	7	69	6	2	158	41	36.94	73	56.81	9/22/1994	11:05	0.3	21.2	7	273
1994	7	72	6	4	152	41	39.77	73	56.55	9/22/1994	10:22	0.3	21	6.9	269
1994	7	76	4	4	144					9/22/1994	9:57	0.3	20.5	7.3	249
1994	7	77	6	4	141	41	44.46	73	56.21	9/22/1994	9:26	0.3	20.5	7	242
1994	7	77	6	4	143	41	43.83	73	56.16	9/22/1994	9:36	0.3	20.5	7.1	241
1994	7	80	6	4	137	41	46.14	73	56.82	9/22/1994	9:05	0.3	20	7.3	248
1994	7	81	4	4	135	41	47.474	73	57.457	9/22/1994	8:21	0.3	20.2	7.4	237
1994	7	84	4	4	129	41	50.61	73	57.28	9/22/1994	7:58	0.3	20.8	7.2	217
1994	7	87	4	4	123	41	52.616	73	57.292	9/22/1994	7:25	0.3	20.8	7.1	223
1994	7	89	6	4	121	41	53.84	73	57.04	9/21/1994	17:47	0.3	20.5	8.2	230
1994	7	92	4	4	118	41	56.32	73	58.1	9/21/1994	17:25	0.3	21	9.8	229
1994	7	93	4	2	116	41	57.05	73	57.77	9/21/1994	16:43	0.3	20.5	8.3	219
1994	7	93	6	2	117	41	57.036	73	56.721	9/21/1994	16:56	0.3	20.8	8.5	224
1994	7	94	4	2	113	41	58.38	73	57.25	9/21/1994	16:20	0.3	20.5	8.3	212
1994	7	95	4	2	111	41	59.083	73	57.079	9/21/1994	16:09	0.3	20.8	8.5	208
1994	7	96	4	2	105	42	0.22	73	56.65	9/21/1994	15:44	0.3	21	8.5	205
1994	7	96	4	2	108	41	59.76	73	56.81	9/21/1994	16:00	0.3	20.8	8.6	208
1994	7	97	4	2	102	42	0.83	73	56.38	9/21/1994	15:02	0.3	22.3	9.3	210
1994	7	97	4	2	103	42	0.5	73	56.51	9/21/1994	15:34	0.3	21	8.5	206
1994	7	105	4	2	97	42	7.68	73	55.13	9/21/1994	14:23	0.3	22.1	10.5	200

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1994	7	105	4	2	98	42	7.33	73	55.3	9/21/1994	14:36	0.3	21.7	9.6	200
1994	7	106	4	2	96	42	8.147	73	54.796	9/21/1994	14:09	0.3	21.5	9.6	209
1994	7	110	6	2	91	42	10.9	73	51.53	9/21/1994	13:53	0.3	21.9	12	218
1994	7	114	4	2	82	42	14.31	73	50.58	9/21/1994	13:28	0.3	21.2	10.9	205
1994	7	115	6	2	79	42	14.8	73	49	9/21/1994	13:10	0.3	22.1	11.5	201
1994	7	117	4	4	76	42	15.84	73	47.69	9/21/1994	12:54	0.3	23.5	12.5	206
1994	7	119	4	4	70	42	17.317	73	47.373	9/21/1994	12:33	0.3	22.5	14.3	210
1994	7	121	4	4	68	42	18.53	73	47.1	9/21/1994	12:07	0.3	21.5	13.5	216
1994	7	121	6	4	66	42	19.33	73	46.85	9/21/1994	11:48	0.3	19.8	10.5	228
1994	7	122	4	4	61	42	20.29	73	47.24	9/21/1994	11:33	0.3	21	10.5	222
1994	7	123	4	4	60	42	20.64	73	47.39	9/21/1994	11:14	0.3	21.1	10.5	222
1994	7	124	6	4	57	42	21.28	73	47.32	9/21/1994	11:03	0.3	23.5	9.9	212
1994	7	127	4	4	46	42	24.35	73	47.08	9/21/1994	10:38	0.3	23.2	9.6	208
1994	7	128	4	4	44	42	25	73	46.99	9/21/1994	10:19	0.3	23.2	8.3	207
1994	7	129	6	4	40	42	25.67	73	46.67	9/21/1994	10:06	0.3	20.5	8.3	220
1994	7	134	4	4	28	42	30.027	73	46.913	9/21/1994	9:43	0.3	20.2	8	230
1994	7	139	4	4	15	42	34.32	73	45.25	9/21/1994	9:04	0.3	20.5	8	217
1994	7	139	4	4	19	42	34.03	73	45.26	9/21/1994	9:18	0.3	20.5	8	217
1994	7	145	6	4	4	42	39.51	73	44.09	9/21/1994	8:03	0.3	19.8	8.8	212
1994	8	14	4	4	265					10/4/1994	12:13	0.3	19.2	6.9	23496
1994	8	15	4	4	264	40	53.57	73	56.32	10/4/1994	11:55	0.3	18.9	6.6	22629
1994	8	22	6	4	256	40	59.97	73	53.05	10/4/1994	12:57	0.3	17.2	7.9	16314
1994	8	23	6	4	254	41	1.086	73	52.681	10/4/1994	13:32	0.3	17.2	8.3	15492
1994	8	23	6	4	255	41	0.74	73	52.83	10/4/1994	13:18	0.3	17.3	8.9	16044
1994	8	24	6	4	252	41	2.057	73	52.505	10/4/1994	13:59	0.3	17.2	8.2	15140
1994	8	24	6	4	253	41	1.169	73	52.711	10/4/1994	13:46	0.3	17.2	8.8	15023
1994	8	25	4	2	250	41	2.86	73	55.07	10/4/1994	10:59	0.3	17	9.2	10373
1994	8	25	4	2	270	41	2.783	73	55.05	10/4/1994	11:11	0.3	17.2	9.2	10094
1994	8	25	6	4	251	41	2.46	73	52.42	10/4/1994	14:22	0.3	18.1	9	13237
1994	8	26	4	2	246	41	3.6	73	55.2	10/4/1994	10:37	0.3	16.5	8.8	9653
1994	8	26	4	2	271	41	3.77	73	55.22	10/4/1994	10:26	0.3	16.5	8.8	9653
1994	8	26	4	2	285	41	3.607	73	55.196	10/4/1994	10:47	0.3	16.8	8.7	9472
1994	8	26	6	4	247	41	3.891	73	52.077	10/4/1994	15:00	0.3	17.1	9.2	11880
1994	8	26	6	4	248	41	3.273	73	52.221	10/4/1994	14:46	0.3	17.2	8.7	13145
1994	8	26	6	4	249	41	2.67	73	52.3	10/4/1994	14:34	0.3	18.1	8.6	13237
1994	8	27	4	2	245	41	4.19	73	55.21	10/4/1994	10:09	0.3	16.5	9	9177
1994	8	27	4	2	272	41	4.49	73	55.14	10/4/1994	9:51	0.3	17	8.8	9312
1994	8	28	6	4	243	41	5.683	73	52.214	10/4/1994	15:24	0.3	18.2	9.4	10337
1994	8	28	6	4	244	41	5.33	73	52.33	10/4/1994	15:14	0.3	18.3	9.5	10315
1994	8	29	4	2	242	41	6.1	73	54.88	10/4/1994	9:36	0.3	18.8	8.7	9071
1994	8	30	4	2	241	41	7.14	73	54.77	10/4/1994	9:18	0.3	18.8	8.5	9071
1994	8	31	4	2	283	41	8.34	73	54.4	10/4/1994	9:00	0.3	19.2	8.5	8881
1994	8	32	4	2	239	41	8.81	73	54.6	10/4/1994	8:29	0.3	19.2		7982

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	8	32	4	2	240	41	8.48	73	54.42	10/4/1994	8:49	0.3	19.2	8.5	8769
1994	8	32	6	4	237	41	9.274	73	52.181	10/4/1994	15:54	0.3	18.6	10	7516
1994	8	32	6	4	238	41	8.85	73	52.123	10/4/1994	15:41	0.3	18.2	9.4	8040
1994	8	32	6	4	269	41	9.445	73	52.243	10/4/1994	16:13	0.3	18.2	9.4	7466
1994	8	33	6	4	236	41	9.79	73	52.202	10/4/1994	16:28	0.3	18.4	10.4	7548
1994	8	35	4	4	229	41	10.59	73	56.41	10/4/1994	17:21	0.3	18.9	8.9	7241
1994	8	35	4	4	230	41	10.59	73	56.39	10/4/1994	17:13	0.3	19	8.8	7226
1994	8	35	4	4	277	41	10.95	73	57.06	10/4/1994	17:33	0.3	19	8.7	6887
1994	8	35	6	2	231	41	11.23	73	53.69	10/7/1994	12:48	0.3	18	8.9	6921
1994	8	35	6	2	275	41	11.31	73	53.54	10/7/1994	12:58	0.3	18.2	8.7	6891
1994	8	36	4	4	227	41	11.02	73	57.41	10/4/1994	17:45	0.3	19	8.8	6887
1994	8	36	4	2	226	41	11.8	73	57.5	10/7/1994	12:25	0.3	19.6	8.5	6019
1994	8	37	4	2	224					10/7/1994	12:03	0.3	19.7	8.1	5250
1994	8	37	4	2	225	41	12.096	73	57.458	10/7/1994	12:15	0.3	19.5	8.6	5809
1994	8	38	4	2	221	41	13.43	73	57.79	10/7/1994	11:11	0.3	19	8	4979
1994	8	38	4	2	222	41	12.979	73	57.867	10/7/1994	11:47	0.3	19.7	8.3	4794
1994	8	38	4	2	278	41	12.96	73	57.828	10/7/1994	11:40	0.3	19.9	8.2	4763
1994	8	38	4	2	279	41	13.36	73	57.82	10/7/1994	11:29	0.3	19.1	8.2	4811
1994	8	38	4	2	280	41	13.4	73	57.81	10/7/1994	11:22	0.3	19.1	8.1	4822
1994	8	39	4	2	215	41	13.62	73	58.34	10/7/1994	11:00	0.3	18.8	8.2	4524
1994	8	40	6	2	211	41	14.88	73	57.6	10/7/1994	10:41	0.3	19.1	7.8	4732
1994	8	41	6	2	208	41	15.72	73	50.84	10/7/1994	10:27	0.3	19.2	7.8	3474
1994	8	42	4	2	206	41	16.412	73	58.1	10/7/1994	9:57	0.3	18.9	8.4	4084
1994	8	42	6	2	207	41	15.3	73	57.8	10/7/1994	10:15	0.3	20.2	8.5	3192
1994	8	49	4	4	196	41	21.16	73	57.74	10/6/1994	17:05	0.3	19.6	7.5	227
1994	8	52	6	4	193	41	24.12	73	57.31	10/6/1994	14:32	0.3	19.8		1665
1994	8	53	4	4	192	41	24.19	73	57.95	10/6/1994	16:10	0.3	19.2	7.8	1349
1994	8	53	6	4	191	41	24.882	73	57.554	10/6/1994	15:45	0.3	19.3	8.2	1021
1994	8	55	6	2	189	41	25.66	73	58.14	10/6/1994	15:30	0.3	18.9	8.5	524
1994	8	56	4	2	187	41	26.83	74	0.5	10/6/1994	14:57	0.3	19.2	8.5	291
1994	8	58	4	2	184	41	27.78	74	0.7	10/6/1994	14:39	0.3	18.2	8.6	295
1994	8	59	6	2	179	41	29.24	73	59.34	10/6/1994	13:38	0.3	18.2	8.4	369
1994	8	59	6	2	180	41	29.08	73	59.37	10/6/1994	13:51	0.3	17.7	8.9	374
1994	8	59	6	2	181	41	29.04	73	59.33	10/6/1994	14:17	0.3	18.3	8.4	368
1994	8	61	4	2	174	41	31.15	74	0.37	10/6/1994	13:04	0.3	19	8	244
1994	8	62	4	2	171	41	32.19	73	59.91	10/6/1994	12:34	0.3	19	8	236
1994	8	62	4	2	173	41	31.59	74	0.28	10/6/1994	12:51	0.3	19.1	8.5	237
1994	8	64	4	2	163	41	33.48	73	59.05	10/6/1994	12:13	0.3	19	8.2	231
1994	8	69	6	2	158	41	36.94	73	56.81	10/6/1994	11:40	0.3	18.2	8.1	241
1994	8	74	6	2	149	41	41.064	73	56.289	10/6/1994	11:02	0.3	17.2	7.7	224
1994	8	80	6	2	137	41	46.14	73	56.82	10/6/1994	10:35	0.3	17.6	7.8	212
1994	8	81	4	4	135	41	47.474	73	57.457	10/6/1994	10:09	0.3	16.4	9.2	216
1994	8	82	4	4	134	41	48.51	73	57.22	10/6/1994	9:51	0.3	17.1	8.3	214

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	8	83	4	4	131	41	49.33	73	57.31	10/6/1994	9:29	0.3	17.1	8.3	215
1994	8	85	6	4	127	41	51.18	73	56.5	10/6/1994	9:05	0.3	15.8	8.5	217
1994	8	89	6	4	121	41	53.84	73	57.04	10/6/1994	8:41	0.3	16.4	8.3	217
1994	8	90	6	4	120	41	54.02	73	57.2	10/6/1994	8:25	0.3	16.3	8.4	215
1994	8	92	4	4	118	41	56.32	73	58.1	10/5/1994	17:06	0.3	16.9	9.3	236
1994	8	93	4	4	116	41	57.05	73	57.77	10/5/1994	16:51	0.3	16.9	8.8	226
1994	8	93	6	4	117	41	57.036	73	56.721	10/6/1994	7:40	0.3	16	8.1	231
1994	8	96	4	2	105	42	0.22	73	56.65	10/5/1994	16:26	0.3	17	9.8	226
1994	8	96	4	4	108	41	59.76	73	56.81	10/5/1994	16:35	0.3	17.1	9.8	226
1994	8	97	4	2	103	42	0.5	73	56.51	10/5/1994	16:15	0.3	17.1	9.9	225
1994	8	98	4	2	100	42	1.67	73	56.54	10/5/1994	15:48	0.3	16.6	11	226
1994	8	98	4	2	101	42	1.426	73	56.456	10/5/1994	16:00	0.3	16.6	11.1	226
1994	8	99	6	2	99	42	2.02	73	55.73	10/5/1994	15:21	0.3	16.8	9.6	226
1994	8	105	4	2	97	42	7.68	73	55.13	10/5/1994	14:35	0.3	17	10.4	222
1994	8	105	4	2	98	42	7.33	73	55.3	10/5/1994	14:51	0.3	16.9	10.4	224
1994	8	106	4	2	96	42	8.147	73	54.796	10/5/1994	14:17	0.3	16.9	10.2	234
1994	8	110	6	2	91	42	10.9	73	51.53	10/5/1994	13:55	0.3	16.1	11.5	228
1994	8	111	6	2	89					10/5/1994	13:41	0.3	16	12	223
1994	8	113	4	2	86	42	13.12	73	51.33	10/5/1994	13:27	0.3	16.6	11.2	226
1994	8	114	6	2	84	42	14.02	73	50.18	10/5/1994	13:03	0.3	16	11.1	223
1994	8	115	6	2	79	42	14.8	73	49	10/5/1994	12:38	0.3	16.2	11.9	227
1994	8	116	6	2	77	42	15.02	73	48.31	10/5/1994	12:11	0.3	15.9	10.4	251
1994	8	119	4	2	70	42	17.317	73	47.373	10/5/1994	11:38	0.3	15.2	12.4	227
1994	8	119	4	2	72	42	16.82	73	47.28	10/5/1994	11:53	0.3	16.1	11	230
1994	8	122	6	4	62	42	20.105	73	46.848	10/5/1994	10:59	0.3	15.9	12	235
1994	8	123	4	4	60	42	20.64	73	47.39	10/5/1994	10:41	0.3	15.9	9.8	235
1994	8	126	4	4	49	42	23.4	73	47.52	10/5/1994	10:21	0.3	15.6	9.8	242
1994	8	129	6	4	39	42	25.879	73	46.76	10/5/1994	10:01	0.3	15	9.3	248
1994	8	130	6	4	36					10/5/1994	9:43	0.3	15.2	9	223
1994	8	137	6	4	24	42	32.262	73	45.288	10/5/1994	9:11	0.3	15.1	9.2	224
1994	8	139	4	4	15	42	34.32	73	45.25	10/5/1994	8:24	0.3	15.5	9.3	219
1994	8	139	4	4	19	42	34.03	73	45.26	10/5/1994	8:39	0.3	15.5	9.3	219
1994	8	139	6	4	17	42	34.22	73	45.02	10/5/1994	8:53	0.3	15.2	9.2	221
1994	9	16	4	4	262	40	54.9	73	55.7	10/17/1994	12:57	0.3	16	9.6	16869
1994	9	18	4	4	260	40	56.889	73	55.1	10/17/1994	12:38	0.3	15.9	8.9	21495
1994	9	19	6	4	259	40	57.735	73	53.561	10/17/1994	12:20	0.3	15.7	9.2	16860
1994	9	23	6	4	254	41	1.086	73	52.681	10/17/1994	11:45	0.3	15.4	9.4	14775
1994	9	23	6	4	255	41	0.74	73	52.83	10/17/1994	12:03	0.3	15.7	9.9	15283
1994	9	24	6	4	252	41	2.057	73	52.505	10/17/1994	13:31	0.3	15.8	9.8	14523
1994	9	24	6	4	253	41	1.169	73	52.711	10/17/1994	13:23	0.3	15.9	10	15095
1994	9	25	4	4	250	41	2.86	73	55.07	10/17/1994	10:52	0.3	13.9	9.8	8967
1994	9	25	4	4	270	41	2.783	73	55.05	10/17/1994	11:08	0.3	13.9	10.5	9093
1994	9	25	4	4	284	41	2.57	73	54.94	10/17/1994	11:20	0.3	13.5	10.7	9176

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	9	25	6	4	251	41	2.46	73	52.42	10/17/1994	13:50	0.3	15.8	10.5	14281
1994	9	26	4	4	246	41	3.6	73	55.2	10/17/1994	10:25	0.3	13.9	9.4	8841
1994	9	26	4	4	271	41	3.77	73	55.22	10/17/1994	10:15	0.3	13.2	10.3	8855
1994	9	26	4	4	285	41	3.607	73	55.196	10/17/1994	10:39	0.3	13.4	10.1	8942
1994	9	26	6	4	247	41	3.891	73	52.077	10/17/1994	14:27	0.3	15.9	10.2	13284
1994	9	26	6	4	249	41	2.67	73	52.3	10/17/1994	14:05	0.3	15.9	9.9	14491
1994	9	27	4	4	245	41	4.19	73	55.21	10/17/1994	9:59	0.3	13.2	10.2	8213
1994	9	27	4	4	272	41	4.49	73	55.14	10/17/1994	9:40	0.3	14.2	10.1	7777
1994	9	28	6	4	243	41	5.683	73	52.214	10/17/1994	14:50	0.3	15.9	10.3	10868
1994	9	28	6	4	244	41	5.33	73	52.33	10/17/1994	14:43	0.3	15.8	10.5	11498
1994	9	29	4	4	242	41	6.1	73	54.88	10/17/1994	9:28	0.3	14.1	10	7669
1994	9	30	4	4	241	41	7.14	73	54.77	10/17/1994	9:10	0.3	14.2	10.1	7526
1994	9	31	4	4	283	41	8.34	73	54.4	10/17/1994	8:53	0.3	15.1	9.4	7376
1994	9	32	4	4	239	41	8.81	73	54.6	10/17/1994	8:23	0.3	15	9.6	6776
1994	9	32	4	4	240	41	8.48	73	54.42	10/17/1994	8:41	0.3	15	9.4	6899
1994	9	32	6	4	237	41	9.274	73	52.181	10/17/1994	15:33	0.3	16.1	10.2	7454
1994	9	32	6	4	238	41	8.85	73	52.123	10/17/1994	15:20	0.3	16.1	10.9	8176
1994	9	32	6	4	269	41	9.445	73	52.243	10/17/1994	15:43	0.3	16.1	10.3	7214
1994	9	33	6	4	236	41	9.79	73	52.202	10/17/1994	15:55	0.3	16.3	11	7302
1994	9	34	6	4	234	41	10.19	73	53.93	10/17/1994	16:21	0.3	15.4	10.6	5641
1994	9	35	4	2	277	41	10.95	73	57.06	10/19/1994	9:35	0.3	15.7	8.7	6429
1994	9	35	6	4	231	41	11.23	73	53.69	10/17/1994	16:52	0.3	16	10.7	5543
1994	9	35	6	4	232	41	11.172	73	53.996	10/17/1994	16:36	0.3	15.4	10.3	5507
1994	9	35	6	4	275	41	11.31	73	53.54	10/17/1994	17:03	0.3	16.1	10.8	5531
1994	9	36	4	2	227	41	11.02	73	57.41	10/19/1994	9:25	0.3	15.7	8.8	6307
1994	9	36	4	2	281	41	11.13	73	57.16	10/19/1994	9:16	0.3	15.8	8.7	6293
1994	9	36	4	2	282	41	11.2	73	57.17	10/19/1994	8:58	0.3	15.8	8.8	6293
1994	9	37	4	2	225	41	12.096	73	57.458	10/19/1994	8:44	0.3	15.9	8.9	6400
1994	9	38	4	2	221	41	13.43	73	57.79	10/19/1994	7:50	0.3	15.6	9.2	6200
1994	9	38	4	2	222	41	12.979	73	57.867	10/19/1994	8:25	0.3	16	8.9	6266
1994	9	38	4	2	278	41	12.96	73	57.828	10/19/1994	8:10	0.3	15.8	8.9	6172
1994	9	38	4	2	279	41	13.36	73	57.82	10/19/1994	7:59	0.3	15.2	9.2	6255
1994	9	38	4	2	280	41	13.4	73	57.81	10/19/1994	7:40	0.3	15.7	9.4	6065
1994	9	39	4	2	216	41	13.48	73	57.84	10/19/1994	9:54	0.3	15.7	8.6	5082
1994	9	40	6	2	211	41	14.88	73	57.6	10/19/1994	10:34	0.3	16.6	9.2	5399
1994	9	40	6	2	213	41	14.64	73	57.15	10/19/1994	10:13	0.3	15.9	9.2	5301
1994	9	42	4	2	206	41	16.412	73	58.1	10/19/1994	10:59	0.3	16.1	8.8	4701
1994	9	43	6	2	205	41	16.413	73	56.551	10/19/1994	11:23	0.3	16	8.8	3470
1994	9	52	6	2	193	41	24.12	73	57.31	10/19/1994	12:22	0.3	16	9.1	1446
1994	9	52	6	2	194	41	24.12	73	56.81	10/19/1994	12:09	0.3	16	9.1	1494
1994	9	53	4	2	192	41	24.19	73	57.95	10/19/1994	12:36	0.3	16	9.2	1084
1994	9	53	6	2	191	41	24.882	73	57.554	10/19/1994	12:53	0.3	16.8	9.5	604
1994	9	55	6	3	189	41	25.66	73	58.14	10/19/1994	13:08	0.3	16.4	9.4	410

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	9	56	4	4	187	41	26.83	74	0.5	10/19/1994	13:26	0.3	16.4	9.5	287
1994	9	57	4	4	185	41	27.68	74	0.73	10/19/1994	13:43	0.3	16.4	9.8	315
1994	9	58	4	4	183	41	28.02	74	0.87	10/19/1994	14:22	0.3	15.7	9.6	330
1994	9	58	4	4	184	41	27.78	74	0.7	10/19/1994	14:02	0.3	16.3	9.4	311
1994	9	59	6	4	180	41	29.08	73	59.37	10/19/1994	14:53	0.3	15.7	10.1	352
1994	9	59	6	4	181	41	29.04	73	59.33	10/19/1994	14:41	0.3	15.9	10	356
1994	9	62	4	4	171	41	32.19	73	59.91	10/19/1994	15:36	0.3	17.1	9.6	229
1994	9	62	4	2	173	41	31.59	74	0.28	10/19/1994	15:16	0.3	16.7	9.4	238
1994	9	64	4	4	163	41	33.48	73	59.05	10/19/1994	15:55	0.3	17	9.9	238
1994	9	69	6	4	157	41	36.97	73	56.85	10/18/1994	17:36	0.3	15.7	9.2	256
1994	9	69	6	4	157	41	36.97	73	56.85	10/18/1994	17:50	0.3	15.8	9.2	248
1994	9	80	6	2	137	41	46.14	73	56.82	10/18/1994	17:10	0.3	15	9.2	223
1994	9	82	4	2	134	41	48.51	73	57.22	10/18/1994	16:55	0.3	14.5	9.9	227
1994	9	83	4	2	131	41	49.33	73	57.31	10/18/1994	16:21	0.3	14	9.9	227
1994	9	83	4	2	133	41	48.74	73	57.19	10/18/1994	16:37	0.3	14.1	9.8	229
1994	9	85	4	2	128					10/18/1994	16:02	0.3	14	9.9	226
1994	9	86	6	2	125	41	51.75	73	55.89	10/18/1994	15:47	0.3	14	10	234
1994	9	89	6	2	121	41	53.84	73	57.04	10/18/1994	15:30	0.3	13.5	10.4	235
1994	9	90	6	2	120	41	54.02	73	57.2	10/18/1994	15:21	0.3	13.6	10.1	234
1994	9	92	4	2	118	41	56.32	73	58.1	10/18/1994	14:55	0.3	13.8	10.4	246
1994	9	93	4	2	116	41	57.05	73	57.77	10/18/1994	14:35	0.3	13.2	10.1	240
1994	9	96	4	2	105	42	0.22	73	56.65	10/18/1994	14:07	0.3	13.2	10.3	239
1994	9	96	4	2	108	41	59.76	73	56.81	10/18/1994	14:13	0.3	13.1	10.4	238
1994	9	97	4	2	102	42	0.83	73	56.38	10/18/1994	13:53	0.3	13.2	10.4	243
1994	9	98	4	2	100	42	1.67	73	56.54	10/18/1994	13:30	0.3	13.1	10.5	238
1994	9	98	4	2	101	42	1.426	73	56.456	10/18/1994	13:37	0.3	13	11	237
1994	9	99	6	2	99	42	2.02	73	55.73	10/18/1994	13:18	0.3	13	10.4	236
1994	9	105	4	2	97	42	7.68	73	55.13	10/18/1994	12:31	0.3	13.2	11	246
1994	9	105	4	2	98	42	7.33	73	55.3	10/18/1994	12:45	0.3	13.1	11.3	237
1994	9	106	4	2	96	42	8.147	73	54.796	10/18/1994	12:17	0.3	12.9	11.2	251
1994	9	112	4	2	88	42	12.69	73	51.26	10/18/1994	11:56	0.3	13.2	12	231
1994	9	114	4	2	82	42	14.31	73	50.58	10/18/1994	11:19	0.3	13.1	12.2	242
1994	9	114	6	2	85	42	13.54	73	50.75	10/18/1994	11:34	0.3	12.2	11.8	236
1994	9	116	6	4	77	42	15.02	73	48.31	10/18/1994	10:59	0.3	12.3	11	241
1994	9	117	4	2	76	42	15.84	73	47.69	10/18/1994	10:42	0.3	12.2	11.7	225
1994	9	119	4	4	70	42	17.317	73	47.373	10/18/1994	10:22	0.3	11.6	11.4	224
1994	9	119	6	4	69	42	17.29	73	46.78	10/18/1994	10:05	0.3	11.8	11.9	225
1994	9	121	4	4	65	42	19.307	73	47.217	10/18/1994	9:23	0.3	12.5	10.4	217
1994	9	121	4	4	68	42	18.53	73	47.1	10/18/1994	9:47	0.3	12.5	11	222
1994	9	121	6	4	67	42	18.82	73	46.89	10/18/1994	9:35	0.3	12.1	11	222
1994	9	129	6	4	38	42	26.05	73	46.82	10/18/1994	8:54	0.3	11.8	10.2	237
1994	9	130	4	4	37	42	26.76	73	47.22	10/18/1994	8:42	0.3	12.1	10	240
1994	9	131	4	4	33	42	28.06	73	47.13	10/18/1994	8:24	0.3	12	10	251

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1994	9	131	4	4	35	42	27.8	73	47.1	10/18/1994	8:29	0.3	12.1	10.1	251
1994	9	132	4	4	30					10/18/1994	8:06	0.3	12.2	10	269
1994	9	133	4	4	29	42	29.09	73	47.273	10/18/1994	7:58	0.3	12.2	10.1	265
1994	9	134	4	4	27	42	30.17	73	46.88	10/18/1994	7:40	0.3	11.6	9.9	249
1994	10	15	4	4	263	40	54.252	73	55.961	10/31/1994	10:50	0.3	14.9	8	28523
1994	10	15	4	4	264	40	53.57	73	56.32	10/31/1994	11:00	0.3	14.8	8	29082
1994	10	19	6	4	259	40	57.735	73	53.561	10/31/1994	11:24	0.3	14.9	8.6	20250
1994	10	21	6	4	257	40	59.13	73	53.13	10/31/1994	11:46	0.3	15.5	9.2	17057
1994	10	23	6	4	255	41	0.74	73	52.83	10/31/1994	12:06	0.3	15.1	9.1	14505
1994	10	24	6	4	252	41	2.057	73	52.505	10/31/1994	12:29	0.3	15	8.8	14784
1994	10	24	6	4	253	41	1.169	73	52.711	10/31/1994	12:18	0.3	15	8.9	14907
1994	10	25	4	4	250	41	2.86	73	55.07	10/31/1994	9:41	0.3	14.3	10	11264
1994	10	25	4	4	270	41	2.783	73	55.05	10/31/1994	9:51	0.3	14.2	10	10913
1994	10	25	6	4	251	41	2.46	73	52.42	10/31/1994	12:39	0.3	15.2	8.9	14963
1994	10	26	4	4	246	41	3.6	73	55.2	10/31/1994	9:16	0.3	14.1	9.6	10561
1994	10	26	4	4	271	41	3.77	73	55.22	10/31/1994	9:06	0.3	14.1	9.5	10561
1994	10	26	4	4	285	41	3.607	73	55.196	10/31/1994	9:27	0.3	14.2	9.7	11164
1994	10	26	6	4	247	41	3.891	73	52.077	10/31/1994	13:20	0.3	15.4	8.8	12821
1994	10	26	6	4	248	41	3.273	73	52.221	10/31/1994	13:06	0.3	15.5	8.7	14133
1994	10	26	6	4	249	41	2.67	73	52.3	10/31/1994	12:54	0.3	15.7	9.3	14192
1994	10	27	4	4	245	41	4.19	73	55.21	10/31/1994	8:54	0.3	14	10	10081
1994	10	27	4	2	272	41	4.49	73	55.14	10/31/1994	8:38	0.3	14.9	10	9878
1994	10	28	6	4	243	41	5.683	73	52.214	10/31/1994	13:39	0.3	15.2	8.7	12142
1994	10	28	6	4	244	41	5.33	73	52.33	10/31/1994	13:28	0.3	15.5	8.8	12184
1994	10	29	4	2	242	41	6.1	73	54.88	10/31/1994	8:26	0.3	14.1	9.3	9429
1994	10	30	4	2	241	41	7.14	73	54.77	10/31/1994	8:13	0.3	14.2	9.4	9408
1994	10	31	4	2	283	41	8.34	73	54.4	10/31/1994	7:56	0.3	14.5	8.6	9220
1994	10	32	4	2	239	41	8.81	73	54.6	10/31/1994	7:26	0.3	14.8	8.2	6311
1994	10	32	4	2	240	41	8.48	73	54.42	10/31/1994	7:46	0.3	14.5	8.6	9220
1994	10	32	6	2	237	41	9.274	73	52.181	10/31/1994	14:11	0.3	15.3	8.9	7955
1994	10	32	6	4	238	41	8.85	73	52.123	10/31/1994	13:56	0.3	15.7	9.1	8491
1994	10	32	6	2	269	41	9.445	73	52.243	10/31/1994	14:23	0.3	15.9	9.4	7849
1994	10	33	6	2	236	41	9.79	73	52.202	10/31/1994	14:38	0.3	15.9	9.6	8212
1994	10	34	6	2	233	41	10.662	73	53.922	10/31/1994	15:07	0.3	15.4	9	7326
1994	10	34	6	2	234	41	10.19	73	53.93	10/31/1994	14:56	0.3	15.5	9	7310
1994	10	35	4	2	277	41	10.95	73	57.06	11/2/1994	9:28	0.3	14.9	9.1	7656
1994	10	35	6	2	231	41	11.23	73	53.69	10/31/1994	15:50	0.3	15.5	8.8	7310
1994	10	35	6	2	232	41	11.172	73	53.996	10/31/1994	15:26	0.3	15.1	8.5	7253
1994	10	35	6	2	274	41	11.17	73	53.71	10/31/1994	15:40	0.3	15.5	8.8	7310
1994	10	36	4	2	227	41	11.02	73	57.41	11/2/1994	9:13	0.3	14.9	9	7656
1994	10	36	4	2	281	41	11.13	73	57.16	11/2/1994	9:03	0.3	14.8	9.1	7673
1994	10	36	4	2	282	41	11.2	73	57.17	11/2/1994	8:52	0.3	14.8	9.2	7673
1994	10	36	6	2	228	41	12.25	73	53.5	10/31/1994	16:15	0.3	15.8	10.1	6293

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1994	10	36	6	2	276	41	12.17	73	53.51	10/31/1994	16:01	0.3	15.9	10.2	6400
1994	10	38	4	2	221	41	13.43	73	57.79	11/2/1994	8:21	0.3	15	8.6	6776
1994	10	38	4	2	222	41	12.979	73	57.867	11/2/1994	8:30	0.3	15	8.6	6776
1994	10	38	4	2	223	41	12.89	73	57.806	11/2/1994	8:39	0.3	15	8.6	6776
1994	10	39	4	2	215	41	13.62	73	58.34	11/2/1994	8:08	0.3	14.3	8.7	6133
1994	10	40	4	2	209	41	14.97	73	58	11/2/1994	7:54	0.3	14.8	8.6	5198
1994	10	43	6	2	203	41	16.91	73	56.26	11/2/1994	7:02	0.3	14.8	9	4344
1994	10	43	6	2	205	41	16.413	73	56.551	11/2/1994	7:31	0.3	14	8.7	4309
1994	10	46	4	2	198	41	19.7	73	59	11/2/1994	10:00	0.3	15	8.7	3955
1994	10	48	4	2	197	41	20.86	73	58.08	11/2/1994	10:21	0.3	14.8	9	2723
1994	10	49	4	2	196	41	21.16	73	57.74	11/2/1994	10:34	0.3	14.4	9.2	2323
1994	10	52	6	2	193	41	24.12	73	57.31	11/2/1994	11:21	0.3	14.6	9.4	1989
1994	10	52	6	2	194	41	24.12	73	56.81	11/2/1994	11:07	0.3	14.5	9.4	1993
1994	10	53	6	4	191	41	24.882	73	57.554	11/2/1994	11:57	0.3	14	9.5	1323
1994	10	56	4	4	187	41	26.83	74	0.5	11/2/1994	12:48	0.3	14	10	491
1994	10	56	4	4	188	41	26.47	73	59.66	11/2/1994	12:28	0.3	13.4	9.7	651
1994	10	57	4	4	185	41	27.68	74	0.73	11/2/1994	13:14	0.3	13.5	9	561
1994	10	57	4	4	186	41	27.28	74	0.8	11/2/1994	13:04	0.3	13.5	9.5	533
1994	10	58	4	4	184	41	27.78	74	0.7	11/2/1994	13:24	0.3	13.6	9	560
1994	10	61	4	4	174	41	31.15	74	0.37	11/2/1994	13:46	0.3	14.2	9.1	282
1994	10	62	6	4	170	41	31.8	73	58.98	11/2/1994	14:13	0.3	13	9.5	374
1994	10	63	6	4	169	41	32.07	73	58.83	11/2/1994	14:28	0.3	13.2	9.5	371
1994	10	69	6	4	157	41	36.97	73	56.85	11/1/1994	16:29	0.3	14.2	9.3	326
1994	10	72	6	4	152	41	39.77	73	56.55	11/1/1994	16:12	0.3	14.2	9.1	245
1994	10	73	6	4	150	41	40.28	73	56.49	11/1/1994	15:54	0.3	14	9.1	241
1994	10	78	6	4	138	41	45.18	73	56.22	11/1/1994	15:31	0.3	14	9.6	242
1994	10	81	4	4	135	41	47.474	73	57.457	11/1/1994	15:12	0.3	13.4	9.8	243
1994	10	83	4	4	131	41	49.33	73	57.31	11/1/1994	14:47	0.3	12.9	9.9	244
1994	10	85	4	4	128					11/1/1994	14:29	0.3	13.1	9.6	244
1994	10	85	6	4	127	41	51.18	73	56.5	11/1/1994	14:18	0.3	13	9.8	245
1994	10	86	6	4	125	41	51.75	73	55.89	11/1/1994	14:05	0.3	12.9	10.4	246
1994	10	88	6	4	122	41	53.023	73	56.214	11/1/1994	13:53	0.3	13	9.8	245
1994	10	89	6	4	121	41	53.84	73	57.04	11/1/1994	13:39	0.3	12.9	9.7	246
1994	10	92	4	2	118	41	56.32	73	58.1	11/1/1994	13:22	0.3	12.5	9.7	249
1994	10	93	4	2	116	41	57.05	73	57.77	11/1/1994	13:09	0.3	12.5	9.9	247
1994	10	96	4	2	105	42	0.22	73	56.65	11/1/1994	12:55	0.3	12.3	9.8	236
1994	10	97	4	2	102	42	0.83	73	56.38	11/1/1994	12:34	0.3	12.2	9.9	236
1994	10	97	4	2	103	42	0.5	73	56.51	11/1/1994	12:45	0.3	12.3	9.6	236
1994	10	98	4	2	100	42	1.67	73	56.54	11/1/1994	12:16	0.3	12.1	10.2	236
1994	10	98	4	2	101	42	1.426	73	56.456	11/1/1994	12:25	0.3	12	10.1	236
1994	10	99	6	2	99	42	2.02	73	55.73	11/1/1994	12:02	0.3	12	9.7	228
1994	10	105	4	2	97	42	7.68	73	55.13	11/1/1994	11:32	0.3	12	9.7	239
1994	10	105	4	2	98	42	7.33	73	55.3	11/1/1994	11:40	0.3	12	9.8	238

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1994	10	106	4	2	96	42	8.147	73	54.796	11/1/1994	11:19	0.3	12.1	9.8	237
1994	10	114	6	2	84	42	14.02	73	50.18	11/1/1994	10:51	0.3	12.1	10	230
1994	10	115	6	2	79	42	14.8	73	49	11/1/1994	10:37	0.3	12	9.3	234
1994	10	118	4	2	75	42	16.12	73	47.49	11/1/1994	10:14	0.3	12	10	224
1994	10	119	6	2	71	42	17.16	73	46.8	11/1/1994	10:01	0.3	12	10	226
1994	10	121	4	2	68	42	18.53	73	47.1	11/1/1994	9:49	0.3	12.1	9.6	233
1994	10	121	6	2	67	42	18.82	73	46.89	11/1/1994	9:40	0.3	12	9.4	232
1994	10	122	6	2	62	42	20.105	73	46.848	11/1/1994	9:25	0.3	12	9.3	235
1994	10	124	4	2	55	42	21.64	73	47.62	11/1/1994	8:55	0.3	12	9.4	231
1994	10	124	6	2	56	42	21.49	73	47.29	11/1/1994	9:05	0.3	12	9.5	232
1994	10	124	6	2	57	42	21.28	73	47.32	11/1/1994	9:13	0.3	12	9.5	231
1994	10	125	4	4	53	42	22.27	73	47.62	11/1/1994	8:45	0.3	12	9.3	231
1994	10	128	6	4	45					11/1/1994	8:24	0.3	11.8	9.3	243
1994	10	129	6	4	40	42	25.67	73	46.67	11/1/1994	8:11	0.3	12	9.3	244
1994	10	132	4	4	30					11/1/1994	7:33	0.3	11.8	9.3	235
1994	10	132	4	4	32	42	28.13	73	47.21	11/1/1994	7:50	0.3	12	9	243
1994	10	134	4	4	27	42	30.17	73	46.88	11/1/1994	7:00	0.3	12	9.5	249
1994	10	134	4	4	28	42	30.027	73	46.913	11/1/1994	7:17	0.3	12	9.4	243
1995	1	16	4	4	262	40	54.9	73	55.7	6/19/1995	13:43	0.3	24.2	8.1	16202
1995	1	22	6	4	256	40	59.97	73	53.05	6/19/1995	14:07	0.3	24.8	9.9	14003
1995	1	23	6	4	255	41	0.74	73	52.83	6/19/1995	14:21	0.3	24	8.7	14438
1995	1	24	6	4	252	41	2.057	73	52.505	6/19/1995	14:39	0.3	24.9		11978
1995	1	25	4	4	250	41	2.86	73	55.07	6/19/1995	12:54	0.3	26.3		13095
1995	1	25	4	2	270	41	2.783	73	55.05	6/19/1995	13:07	0.3	25.9		13496
1995	1	26	4	2	271	41	3.77	73	55.22	6/19/1995	12:39	0.3	25.8		12837
1995	1	27	4	4	245	41	4.19	73	55.21	6/19/1995	12:21	0.3	25.3		12771
1995	1	27	4	4	272	41	4.49	73	55.14	6/19/1995	12:04	0.3	25.2	9.8	12797
1995	1	28	6	4	243	41	5.683	73	52.214	6/19/1995	15:12	0.3	25	9.8	11256
1995	1	28	6	4	244	41	5.33	73	52.33	6/19/1995	15:03	0.3	25	9.7	11356
1995	1	29	4	4	242	41	6.1	73	54.88	6/19/1995	11:42	0.3	25.5		12029
1995	1	31	4	4	285	41	3.607	73	55.196	6/19/1995	11:22	0.3	25		10957
1995	1	32	4	4	240	41	8.48	73	54.42	6/19/1995	11:09	0.3	25		11256
1995	1	34	6	4	233	41	10.662	73	53.922	6/22/1995	9:20	0.3	22.8	9	10423
1995	1	35	4	4	229	41	10.59	73	56.41	6/22/1995	8:47	0.3	23	8.7	13390
1995	1	35	4	4	230	41	10.59	73	56.39	6/22/1995	9:02	0.3	23	8.6	13390
1995	1	35	4	4	277	41	10.95	73	57.06	6/22/1995	8:33	0.3	23	8.7	13079
1995	1	36	4	4	282	41	11.2	73	57.17	6/22/1995	8:20	0.3	22.9	8.8	13314
1995	1	38	4	4	279	41	13.36	73	57.82	6/22/1995	8:00	0.3	22.7	8.3	11489
1995	1	38	4	4	280	41	13.4	73	57.81	6/22/1995	7:48	0.3	22.7	8.5	12221
1995	1	40	4	4	214	41	14.31	73	58.5	6/22/1995	9:49	0.3	22.6	8.9	12246
1995	1	40	6	4	211	41	14.88	73	57.6	6/22/1995	10:12	0.3	22.7	8.1	11489
1995	1	46	4	4	198	41	19.7	73	59	6/22/1995	10:52	0.3	21.8	7.4	3395
1995	1	52	6	4	194	41	24.12	73	56.81	6/22/1995	11:20	0.3	21.6	6.9	4275

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1995	1	53	6	4	191	41	24.882	73	57.554	6/22/1995	11:41	0.3	22	7.7	3815
1995	1	55	6	4	189	41	25.66	73	58.14	6/22/1995	12:03	0.3	21.9	7.1	3791
1995	1	57	4	4	185	41	27.68	74	0.73	6/22/1995	12:41	0.3	22.6	8.1	2250
1995	1	57	4	4	186	41	27.28	74	0.8	6/22/1995	12:28	0.3	22.4	8	2207
1995	1	61	4	4	174	41	31.15	74	0.37	6/22/1995	13:22	0.3	22.7	8	386
1995	1	62	4	4	171	41	32.19	73	59.91	6/22/1995	13:46	0.3	23.1	7.2	311
1995	1	65	4	4	162	41	33.99	73	58.39	6/22/1995	14:00	0.3	22.3	7.6	277
1995	1	66	4	4	160	41	34.777	73	57.753	6/22/1995	14:30	0.3	23.6	7.9	304
1995	1	69	6	2	156	41	37.03	73	56.88	6/21/1995	18:15	0.3	23		278
1995	1	72	6	2	152	41	39.77	73	56.55	6/21/1995	17:56	0.3	22.2	7.7	266
1995	1	73	6	4	150	41	40.28	73	56.49	6/21/1995	17:33	0.3	22.5	8.3	262
1995	1	74	4	2	147	41	41.29	73	56.8	6/21/1995	17:17	0.3	22.5	8.1	263
1995	1	76	6	2	145					6/21/1995	16:55	0.3	23	9.8	265
1995	1	77	6	4	141	41	44.46	73	56.21	6/21/1995	16:19	0.3	23.1	9.6	264
1995	1	77	6	4	143	41	43.83	73	56.16	6/21/1995	16:34	0.3	23	9	265
1995	1	80	6	4	137	41	46.14	73	56.82	6/21/1995	15:58	0.3	23	8.2	262
1995	1	83	4	4	131	41	49.33	73	57.31	6/21/1995	15:14	0.3	24		269
1995	1	83	4	4	133	41	48.74	73	57.19	6/21/1995	15:36	0.3	23.2	8.1	269
1995	1	84	4	4	129	41	50.61	73	57.28	6/21/1995	14:20	0.3	24		269
1995	1	84	6	4	130	41	50.19	73	56.63	6/21/1995	14:50	0.3	24	9.4	269
1995	1	85	6	4	127	41	51.18	73	56.5	6/21/1995	14:00	0.3	23	8	272
1995	1	86	4	4	126	41	51.44	73	56.97	6/21/1995	13:42	0.3	24.6		271
1995	1	86	6	4	125	41	51.75	73	55.89	6/21/1995	13:23	0.3	24	8.2	275
1995	1	88	6	4	122	41	53.023	73	56.214	6/21/1995	13:04	0.3	24.5	9.1	267
1995	1	89	6	4	121	41	53.84	73	57.04	6/21/1995	12:46	0.3	23.6	7.6	271
1995	1	90	6	4	120	41	54.02	73	57.2	6/21/1995	12:34	0.3	23.6	7.9	271
1995	1	92	4	2	118	41	56.32	73	58.1	6/21/1995	7:30	0.3	22	7.5	278
1995	1	93	4	2	116	41	57.05	73	57.77	6/21/1995	7:48	0.3	22.9	7.3	268
1995	1	93	6	4	117	41	57.036	73	56.721	6/21/1995	11:10	0.3	23	8.1	275
1995	1	94	4	2	113	41	58.38	73	57.25	6/21/1995	8:07	0.3	22.8	7.5	269
1995	1	94	6	4	114	41	58.085	73	56.467	6/21/1995	10:45	0.3	23	8.3	275
1995	1	95	4	2	111	41	59.083	73	57.079	6/21/1995	8:21	0.3	23	7.3	270
1995	1	95	6	4	112	41	58.238	73	56.123	6/21/1995	10:33	0.3	23.1	8.4	277
1995	1	96	4	4	105	42	0.22	73	56.65	6/21/1995	9:17	0.3	23	7.3	275
1995	1	96	4	4	108	41	59.76	73	56.81	6/21/1995	9:06	0.3	23	7.3	275
1995	1	96	4	2	110	41	59.4	73	56.94	6/21/1995	8:53	0.3	22.8	7.4	271
1995	1	97	4	4	102	42	0.83	73	56.38	6/21/1995	9:42	0.3	23	7.2	277
1995	1	97	4	4	103	42	0.5	73	56.51	6/21/1995	9:30	0.3	23	7.5	278
1995	1	98	4	4	100	42	1.67	73	56.54	6/21/1995	10:15	0.3	23.9	8.1	274
1995	1	98	4	4	101	42	1.426	73	56.456	6/21/1995	10:00	0.3	23.8	8.2	275
1995	1	99	6	2	99	42	2.02	73	55.73	6/20/1995	18:42	0.3	25.2	7.3	277
1995	1	105	4	2	97	42	7.68	73	55.13	6/20/1995	17:54	0.3	27.7	9.5	271
1995	1	105	4	2	98	42	7.33	73	55.3	6/20/1995	18:09	0.3	27		268

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1995	1	106	4	2	96	42	8.147	73	54.796	6/20/1995	17:29	0.3	26.6	7.7	328
1995	1	112	4	4	88	42	12.69	73	51.26	6/20/1995	17:02	0.3	28.2	8.9	273
1995	1	113	4	4	86	42	13.12	73	51.33	6/20/1995	16:43	0.3	25.4	7.6	280
1995	1	113	6	4	87	42	13.32	73	50.85	6/20/1995	16:26	0.3	27.3	7.8	276
1995	1	114	4	4	81	42	14.39	73	50.549	6/20/1995	15:33	0.3	26.6	8.3	280
1995	1	114	4	4	82	42	14.31	73	50.58	6/20/1995	15:49	0.3	25.5	8.6	276
1995	1	114	4	4	83	42	14.26	73	50.71	6/20/1995	16:00	0.3	25.5	8.6	276
1995	1	114	6	4	85	42	13.54	73	50.75	6/20/1995	16:12	0.3	26		283
1995	1	115	6	4	80	42	14.8	73	49.1	6/20/1995	15:16	0.3	26.4	7.9	280
1995	1	116	6	4	77	42	15.02	73	48.31	6/20/1995	15:00	0.3	26.3	8.3	278
1995	1	119	6	4	69	42	17.29	73	46.78	6/20/1995	14:22	0.3	29.1	8.9	275
1995	1	119	6	4	71	42	17.16	73	46.8	6/20/1995	14:39	0.3	27.3	9.6	276
1995	1	121	4	4	65	42	19.307	73	47.217	6/20/1995	13:39	0.3	26.3	9.6	286
1995	1	121	6	4	66	42	19.33	73	46.85	6/20/1995	13:51	0.3	26.9	9.9	278
1995	1	121	6	4	67	42	18.82	73	46.89	6/20/1995	14:02	0.3	26.9	9.6	277
1995	1	122	4	4	61	42	20.29	73	47.24	6/20/1995	12:47	0.3	25.3		281
1995	1	122	4	4	63	42	19.84	73	47.18	6/20/1995	13:13	0.3	25.5	9.3	306
1995	1	122	6	4	62	42	20.105	73	46.848	6/20/1995	13:00	0.3	25.5	9.4	283
1995	1	123	4	4	60	42	20.64	73	47.39	6/20/1995	12:32	0.3	26.3	8.5	283
1995	1	124	6	4	57	42	21.28	73	47.32	6/20/1995	12:19	0.3	25.1	9.6	287
1995	1	126	4	4	49	42	23.4	73	47.52	6/20/1995	11:42	0.3	24.9	8.7	299
1995	1	126	4	4	50	42	23.21	73	47.62	6/20/1995	11:54	0.3	25.7		295
1995	1	128	4	2	44	42	25	73	46.99	6/20/1995	11:10	0.3	24.3	9.2	298
1995	1	128	6	2	43	42	25.02	73	46.62	6/20/1995	10:58	0.3	25		292
1995	1	128	6	4	45					6/20/1995	11:26	0.3	24.4		313
1995	1	129	6	2	39	42	25.879	73	46.76	6/20/1995	10:22	0.3	24	7.8	294
1995	1	129	6	2	42	42	25.226	73	46.523	6/20/1995	10:33	0.3	24	7.8	293
1995	1	130	6	2	36					6/20/1995	10:04	0.3	23.8	7.4	287
1995	1	132	6	2	31	42	28.65	73	47.09	6/20/1995	9:39	0.3	24.3	7.4	286
1995	1	134	4	2	27	42	30.17	73	46.88	6/20/1995	8:51	0.3	23.7	6.7	280
1995	1	134	4	2	28	42	30.027	73	46.913	6/20/1995	8:35	0.3	23.3	6.6	287
1995	1	135	4	2	25	42	31.16	73	46.06	6/20/1995	9:16	0.3	23.8	6.3	281
1995	2	15	4	2	263	40	54.252	73	55.961	7/3/1995	10:43	0.3	23.8	8.7	18378
1995	2	22	6	2	256	40	59.97	73	53.05	7/3/1995	11:08	0.3	24.2	8.6	17214
1995	2	23	6	2	254	41	1.086	73	52.681	7/3/1995	11:24	0.3	23.8	9.5	15621
1995	2	24	6	2	253	41	1.169	73	52.711	7/3/1995	11:43	0.3	23.7	9.3	15347
1995	2	25	4	4	250	41	2.86	73	55.07	7/3/1995	10:07	0.3		7.3	
1995	2	26	4	4	283	41	8.34	73	54.4	7/3/1995	9:54	0.3	22.9	7.7	15082
1995	2	27	4	4	272	41	4.49	73	55.14	7/3/1995	9:38	0.3	23.2	8.2	14472
1995	2	28	6	2	244	41	5.33	73	52.33	7/3/1995	12:04	0.3	24	9.1	14337
1995	2	30	4	4	241	41	7.14	73	54.77	7/3/1995	9:16	0.3	22.8		13967
1995	2	31	4	4	285	41	3.607	73	55.196	7/3/1995	8:56	0.3	23	7.8	12975
1995	2	32	4	4	239	41	8.81	73	54.6	7/3/1995	8:20	0.3	22.9	8.2	13522

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1995	2	32	4	4	240	41	8.48	73	54.42	7/3/1995	8:41	0.3	22.9	7.8	13002
1995	2	32	6	2	237	41	9.274	73	52.181	7/3/1995	12:39	0.3	24.8	9.5	13203
1995	2	32	6	2	238	41	8.85	73	52.123	7/3/1995	12:24	0.3	24.3	9.3	13339
1995	2	34	6	2	233	41	10.662	73	53.922	7/3/1995	13:30	0.3	25.5		11832
1995	2	34	6	2	234	41	10.19	73	53.93	7/3/1995	13:15	0.3	24.8		12403
1995	2	34	6	2	235	41	10.632	73	52.59	7/3/1995	12:57	0.3	24.8	9.7	12002
1995	2	35	6	2	232	41	11.172	73	53.996	7/3/1995	13:43	0.3	25.6	9.9	9840
1995	2	38	4	2	223	41	12.89	73	57.806	7/3/1995	15:42	0.3	25.6	8.5	9741
1995	2	38	4	2	280	41	13.4	73	57.81	7/3/1995	15:32	0.3	25.5	8.3	10353
1995	2	38	6	2	220					7/3/1995	14:15	0.3	24.4	8.3	11093
1995	2	42	6	2	207	41	15.3	73	57.8	7/3/1995	16:02	0.3		7.4	
1995	2	43	6	2	204	41	16.693	73	56.484	7/3/1995	16:20	0.3		7.7	
1995	2	46	4	2	198	41	19.7	73	59	7/6/1995	18:10	0.3	25	7	7471
1995	2	52	6	2	193	41	24.12	73	57.31	7/6/1995	17:45	0.3	23.6	7	4716
1995	2	52	6	2	194	41	24.12	73	56.81	7/6/1995	17:50	0.3	23.6	7	4716
1995	2	55	6	2	189	41	25.66	73	58.14	7/6/1995	17:34	0.3	23.9	6.9	3872
1995	2	56	4	2	188	41	26.47	73	59.66	7/6/1995	17:17	0.3	24.5	7	2234
1995	2	59	6	2	179	41	29.24	73	59.34	7/6/1995	17:00	0.3	24.5	6.8	2355
1995	2	60	6	2	176	41	29.57	73	59.06	7/6/1995	16:54	0.3	24.4	6.8	2350
1995	2	65	4	2	162	41	33.99	73	58.39	7/6/1995	16:34	0.3	25.9	7.5	924
1995	2	66	4	4	160	41	34.777	73	57.753	7/5/1995	16:17	0.3	26.2	7	593
1995	2	69	4	4	155	41	37.44	73	57.43	7/6/1995	15:38	0.3	24.6	6.7	311
1995	2	69	6	4	156	41	37.03	73	56.88	7/5/1995	15:52	0.3	25.8	6.8	500
1995	2	69	6	4	157	41	36.97	73	56.85	7/6/1995	16:00	0.3	25.8	6.7	495
1995	2	74	6	4	148	41	41.15	73	56.31	7/6/1995	15:18	0.3	24.6	7.1	311
1995	2	76	4	4	144					7/6/1995	14:39	0.3	24.3	6.6	303
1995	2	76	4	4	146	41	42.94	73	56.87	7/6/1995	14:55	0.3		7.1	
1995	2	77	6	4	140	41	44.56	73	56.17	7/6/1995	13:52	0.3	24.6	7.8	306
1995	2	77	6	4	141	41	44.46	73	56.21	7/6/1995	14:00	0.3	24.6	7.8	301
1995	2	77	6	4	142	41	43.92	73	56.14	7/6/1995	14:16	0.3	24.4	6.4	313
1995	2	78	4	4	139	41	44.786	73	56.758	7/6/1995	13:38	0.3	24.9	9.4	359
1995	2	78	6	4	138	41	45.18	73	56.22	7/6/1995	13:18	0.3	24.8	8.3	320
1995	2	84	4	4	129	41	50.61	73	57.28	7/6/1995	12:32	0.3	24.7	6.9	251
1995	2	84	6	4	130	41	50.19	73	56.63	7/6/1995	12:46	0.3	24.8	7.6	340
1995	2	85	6	4	127	41	51.18	73	56.5	7/6/1995	12:22	0.3	24.5	7.4	302
1995	2	86	4	4	126	41	51.44	73	56.97	7/6/1995	12:03	0.3	24.9	7.1	250
1995	2	86	6	4	125	41	51.75	73	55.89	7/6/1995	11:42	0.3	25.2	7.3	287
1995	2	88	6	2	122	41	53.023	73	56.214	7/6/1995	11:29	0.3	25	8	292
1995	2	89	6	2	121	41	53.84	73	57.04	7/6/1995	11:08	0.3	24.7	7.4	311
1995	2	90	6	2	120	41	54.02	73	57.2	7/6/1995	11:00	0.3	24.7	7.4	306
1995	2	92	4	2	118	41	56.32	73	58.1	7/6/1995	8:05	0.3		7.4	
1995	2	93	4	2	116	41	57.05	73	57.77	7/6/1995	8:15	0.3	24.7	7	291
1995	2	93	6	2	117	41	57.036	73	56.721	7/6/1995	10:44	0.3	24.7	7.5	283

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1995	2	94	4	2	113	41	58.38	73	57.25	7/6/1995	8:30	0.3	24.8	7.6	280
1995	2	94	6	2	114	41	58.085	73	56.467	7/6/1995	10:25	0.3	24.8	7.8	290
1995	2	95	4	2	111	41	59.083	73	57.079	7/6/1995	8:42	0.3	24.8	7.2	300
1995	2	95	6	2	112	41	58.238	73	56.123	7/6/1995	10:17	0.3	28	8.5	272
1995	2	96	4	2	105	42	0.22	73	56.65	7/6/1995	9:02	0.3	24.7	7.7	291
1995	2	96	4	2	108	41	59.76	73	56.81	7/6/1995	8:50	0.3	24.7	7.7	281
1995	2	96	6	2	109	41	59.43	73	56.012	7/6/1995	10:02	0.3	24.7	7.5	281
1995	2	97	4	2	102	42	0.83	73	56.38	7/6/1995	9:20	0.3	24.7	7.2	296
1995	2	97	4	2	103	42	0.5	73	56.51	7/6/1995	9:09	0.3	24.6	7.6	281
1995	2	98	4	2	100	42	1.67	73	56.54	7/6/1995	9:37	0.3	24.9	7.6	319
1995	2	98	4	2	101	42	1.426	73	56.456	7/6/1995	9:31	0.3	25.3	8.3	292
1995	2	99	6	2	99	42	2.02	73	55.73	7/5/1995	18:33	0.3	25.2	7.5	377
1995	2	105	4	2	97	42	7.68	73	55.13	7/5/1995	17:55	0.3	26.4	9.4	387
1995	2	105	4	2	98	42	7.33	73	55.3	7/5/1995	18:06	0.3	25.4	8.1	395
1995	2	106	4	2	96	42	8.147	73	54.796	7/5/1995	17:42	0.3	25.1	7.5	418
1995	2	108	6	2	94	42	9.56	73	53.18	7/5/1995	17:15	0.3	25.8	8.4	382
1995	2	109	6	2	93	42	9.91	73	52.81	7/5/1995	17:09	0.3	25.9	8.5	391
1995	2	112	4	2	88	42	12.69	73	51.26	7/5/1995	16:54	0.3	25.7	6.6	304
1995	2	113	4	2	86	42	13.12	73	51.33	7/5/1995	16:42	0.3	25.7	7.3	295
1995	2	113	6	2	87	42	13.32	73	50.85	7/5/1995	16:28	0.3	26.3	7.1	339
1995	2	114	4	4	81	42	14.39	73	50.549	7/5/1995	15:35	0.3	27.1	7.9	334
1995	2	114	4	4	83	42	14.26	73	50.71	7/5/1995	15:45	0.3	27.3	7.8	361
1995	2	114	6	4	84	42	14.02	73	50.18	7/5/1995	16:02	0.3	28.6	7.8	361
1995	2	114	6	2	85	42	13.54	73	50.75	7/5/1995	12:12	0.3	28	7.8	375
1995	2	115	6	4	79	42	14.8	73	49	7/5/1995	15:18	0.3	26	7.2	342
1995	2	116	6	4	77	42	15.02	73	48.31	7/5/1995	15:03	0.3	26.1	7.2	341
1995	2	117	4	4	76	42	15.84	73	47.69	7/5/1995	14:47	0.3	27.9	7.3	324
1995	2	119	6	4	69	42	17.29	73	46.78	7/5/1995	14:28	0.3	27.4	7.5	270
1995	2	121	6	4	67	42	18.82	73	46.89	7/5/1995	14:11	0.3	27.4	7.1	285
1995	2	122	4	4	61	42	20.29	73	47.24	7/5/1995	13:56	0.3	26.5	7.2	290
1995	2	124	4	4	55	42	21.64	73	47.62	7/5/1995	13:01	0.3	27	7.2	335
1995	2	124	4	4	58					7/5/1995	13:44	0.3	26.4	6.9	290
1995	2	124	6	4	56	42	21.49	73	47.29	7/5/1995	13:13	0.3	26.8	7.2	336
1995	2	124	6	4	57	42	21.28	73	47.32	7/5/1995	13:28	0.3	26.1	6.7	351
1995	2	129	6	4	39	42	25.879	73	46.76	7/5/1995	12:33	0.3	26.9	8	882
1995	2	133	4	4	29	42	29.09	73	47.273	7/5/1995	11:21	0.3	26	6	312
1995	2	134	4	4	27	42	30.17	73	46.88	7/5/1995	11:53	0.3	26.2	6.2	301
1995	2	139	4	4	15	42	34.32	73	45.25	7/5/1995	11:20	0.3	25.9	6	284
1995	2	139	6	4	17	42	34.22	73	45.02	7/5/1995	11:33	0.3	26.1	5.6	273
1995	2	140	4	4	10					7/5/1995	11:02	0.3		5.3	
1995	2	140	4	4	12					7/5/1995	11:07	0.3	25.9	5.4	274
1995	2	145	6	4	4	42	39.51	73	44.09	7/5/1995	10:26	0.3	25.4	6.2	198
1995	2	145	6	4	5	42	39.19	73	44.41	7/5/1995	10:38	0.3	25.6	6	197

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1995	2	148	6	4	3	42	41.41	73	42.584	7/5/1995	10:12	0.3	25.3	6.4	248
1995	2	149	6	4	2	42	42	73	42.07	7/5/1995	9:58	0.3	25.3	6.6	248
1995	2	151	4	4	1	42	44.51	73	41.196	7/5/1995	9:38	0.3	22.5	7	210
1995	3	14	4	2	265					7/17/1995	11:34	0.3	26.3	6.8	21534
1995	3	19	6	2	259	40	57.735	73	53.561	7/17/1995	12:07	0.3	26.2	7.2	18856
1995	3	23	6	2	255	41	0.74	73	52.83	7/17/1995	12:29	0.3	27	7.7	17021
1995	3	24	6	2	252	41	2.057	73	52.505	7/17/1995	12:55	0.3	27.1	8.1	15174
1995	3	24	6	2	253	41	1.169	73	52.711	7/17/1995	12:41	0.3	27.5	9	16092
1995	3	25	6	2	251	41	2.46	73	52.42	7/17/1995	13:09	0.3	26.7	7.4	16163
1995	3	26	4	4	246	41	3.6	73	55.2	7/17/1995	10:36	0.3	26.6	7.3	15425
1995	3	26	4	2	283	41	8.34	73	54.4	7/17/1995	10:47	0.3	26.9	9.1	16098
1995	3	28	6	2	243	41	5.683	73	52.214	7/17/1995	13:37	0.3	27.6	8.1	15115
1995	3	28	6	2	244	41	5.33	73	52.33	7/17/1995	13:27	0.3	27.7	8.2	15084
1995	3	30	4	4	241	41	7.14	73	54.77	7/17/1995	10:12	0.3	26.3	8.8	14065
1995	3	32	4	4	239	41	8.81	73	54.6	7/17/1995	9:45	0.3	26.5	7.3	13235
1995	3	32	4	4	240	41	8.48	73	54.42	7/17/1995	9:55	0.3	26.9	9.7	13511
1995	3	32	6	2	237	41	9.274	73	52.181	7/17/1995	14:00	0.3	27.3	8.5	13211
1995	3	35	4	4	229	41	10.59	73	56.41	7/17/1995	9:26	0.3	26.6	7.1	11569
1995	3	35	6	2	231	41	11.23	73	53.69	7/17/1995	14:24	0.3	27.6	9.4	12092
1995	3	36	4	4	282	41	11.2	73	57.17	7/17/1995	9:10	0.3	26.5	7.7	11303
1995	3	38	4	4	221	41	13.43	73	57.79	7/17/1995	8:14	0.3	26.7	7.6	10391
1995	3	38	4	4	222	41	12.979	73	57.867	7/17/1995	8:40	0.3	26.8	8	10178
1995	3	38	4	4	278	41	12.96	73	57.828	7/17/1995	8:51	0.3	26.7	8.1	10583
1995	3	38	4	4	279	41	13.36	73	57.82	7/17/1995	8:25	0.3	26.5	7.6	10626
1995	3	39	4	2	215	41	13.62	73	58.34	7/17/1995	14:50	0.3	27.8	7.5	9408
1995	3	40	6	2	210	41	14.87	73	57.74	7/17/1995	15:04	0.3	27.5	7.4	9655
1995	3	43	6	2	205	41	16.413	73	56.551	7/17/1995	15:20	0.3	27.9	12.1	7324
1995	3	52	6	4	194	41	24.12	73	56.81	7/18/1995	9:55	0.3	25.4	6.3	9386
1995	3	54	6	4	190	41	24.961	73	57.702	7/18/1995	9:42	0.3	25.1	6.2	8151
1995	3	55	6	4	189	41	25.66	73	58.14	7/18/1995	9:18	0.3	25.3	6.2	7029
1995	3	56	4	4	188	41	26.47	73	59.66	7/18/1995	9:01	0.3	25	6.3	6774
1995	3	59	6	4	178	41	29.25	73	59.32	7/18/1995	8:33	0.3	24.4	6.2	5446
1995	3	61	4	4	174	41	31.15	74	0.37	7/18/1995	7:50	0.3	24.9	6.5	4841
1995	3	62	6	4	170	41	31.8	73	58.98	7/18/1995	11:04	0.3	25.5	6.9	1676
1995	3	62	6	4	172	41	31.54	73	58.97	7/18/1995	10:38	0.3	25.4	7.3	1788
1995	3	66	4	4	160	41	34.777	73	57.753	7/18/1995	11:40	0.3	26.3	8.7	1106
1995	3	69	6	4	157	41	36.97	73	56.85	7/18/1995	12:04	0.3	26	7.1	878
1995	3	71	4	4	153	41	39.06	73	57.257	7/18/1995	12:20	0.3	26	7.3	466
1995	3	72	4	4	151	41	40.04	73	57.11	7/18/1995	12:38	0.3	26.4	8	411
1995	3	74	6	4	148	41	41.15	73	56.31	7/18/1995	13:15	0.3	26.7	8.4	722
1995	3	74	6	4	149	41	41.064	73	56.289	7/18/1995	12:57	0.3	26.3	8.4	466
1995	3	77	6	4	140	41	44.56	73	56.17	7/18/1995	14:15	0.3	26.5	7.7	459
1995	3	77	6	4	143	41	43.83	73	56.16	7/18/1995	13:57	0.3	26.4	7.2	437

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1995	3	78	6	4	138	41	45.18	73	56.22	7/20/1995	16:16	0.3	28		274
1995	3	80	6	4	137	41	46.14	73	56.82	7/20/1995	15:57	0.3	26.4	7.7	266
1995	3	83	4	4	131	41	49.33	73	57.31	7/20/1995	15:20	0.3	27.2	9.2	294
1995	3	83	4	4	133	41	48.74	73	57.19	7/20/1995	15:39	0.3	26.6	7.4	280
1995	3	84	4	4	129	41	50.61	73	57.28	7/20/1995	14:22	0.3	26.5	7.2	299
1995	3	84	6	4	130	41	50.19	73	56.63	7/20/1995	14:39	0.3	27		288
1995	3	86	6	4	125	41	51.75	73	55.89	7/20/1995	13:51	0.3	28.1		290
1995	3	88	6	4	122	41	53.023	73	56.214	7/20/1995	13:29	0.3	27.4	8.7	313
1995	3	89	6	4	121	41	53.84	73	57.04	7/20/1995	13:10	0.3	27	7.6	288
1995	3	90	6	4	120	41	54.02	73	57.2	7/20/1995	13:03	0.3	26.9	7.6	288
1995	3	91	6	4	119	41	55.847	73	56.774	7/20/1995	11:53	0.3	26.3	7.8	417
1995	3	92	4	4	118	41	56.32	73	58.1	7/20/1995	12:40	0.3	27.2	8.9	288
1995	3	93	4	4	116	41	57.05	73	57.77	7/20/1995	12:21	0.3	27.4	6.8	351
1995	3	93	6	2	117	41	57.036	73	56.721	7/20/1995	11:31	0.3	26.5	8.1	357
1995	3	94	4	2	113	41	58.38	73	57.25	7/20/1995	10:44	0.3	26.6	7.9	284
1995	3	94	6	2	114	41	58.085	73	56.467	7/20/1995	11:15	0.3	26.6	8.3	298
1995	3	95	4	2	111	41	59.083	73	57.079	7/20/1995	10:27	0.3	27.1	7.9	290
1995	3	95	6	2	112	41	58.238	73	56.123	7/20/1995	11:01	0.3	26.7	8.6	277
1995	3	96	4	2	105	42	0.22	73	56.65	7/20/1995	9:53	0.3	26.3	7.9	291
1995	3	96	4	2	108	41	59.76	73	56.81	7/20/1995	10:04	0.3	26.5	7.3	299
1995	3	96	4	2	110	41	59.4	73	56.94	7/20/1995	10:16	0.3	26.6	7.7	294
1995	3	97	4	2	102	42	0.83	73	56.38	7/20/1995	9:33	0.3	25.6	7.9	305
1995	3	97	4	2	103	42	0.5	73	56.51	7/20/1995	9:46	0.3	26.3	7.9	290
1995	3	98	4	2	100	42	1.67	73	56.54	7/20/1995	9:10	0.3	26	7.6	290
1995	3	98	4	2	101	42	1.426	73	56.456	7/20/1995	9:19	0.3	26.1	7.5	289
1995	3	99	6	2	99	42	2.02	73	55.73	7/20/1995	8:46	0.3	25.5	7.1	282
1995	3	105	4	2	97	42	7.68	73	55.13	7/20/1995	8:12	0.3	25.4	6.7	288
1995	3	105	4	2	98	42	7.33	73	55.3	7/20/1995	8:23	0.3	25.5	7	285
1995	3	106	4	2	96	42	8.147	73	54.796	7/20/1995	7:57	0.3	25.9	6.5	295
1995	3	114	4	2	81	42	14.39	73	50.549	7/19/1995	18:08	0.3	26.6	6.6	282
1995	3	114	4	2	82	42	14.31	73	50.58	7/19/1995	18:18	0.3	26.6	6.6	282
1995	3	114	4	2	83	42	14.26	73	50.71	7/19/1995	18:30	0.3	27.1	7.4	285
1995	3	115	6	2	79	42	14.8	73	49	7/19/1995	17:55	0.3	27.4	7.3	286
1995	3	116	6	2	77	42	15.02	73	48.31	7/19/1995	17:40	0.3	28	8.2	394
1995	3	117	4	4	76	42	15.84	73	47.69	7/19/1995	17:25	0.3	28.3	6.9	281
1995	3	119	4	4	72	42	16.82	73	47.28	7/19/1995	17:12	0.3	27.3	6.3	278
1995	3	119	6	4	71	42	17.16	73	46.8	7/19/1995	17:00	0.3	28	8.4	276
1995	3	121	4	4	65	42	19.307	73	47.217	7/19/1995	16:16	0.3	27.9	6.6	289
1995	3	121	4	4	68	42	18.53	73	47.1	7/19/1995	16:45	0.3	28.8		280
1995	3	121	6	4	66	42	19.33	73	46.85	7/19/1995	16:27	0.3	28.4	7	286
1995	3	121	6	4	67	42	18.82	73	46.89	7/19/1995	16:35	0.3	28.3	7.1	287
1995	3	122	4	4	61	42	20.29	73	47.24	7/19/1995	15:33	0.3	27.7	6.7	293
1995	3	122	4	4	63	42	19.84	73	47.18	7/19/1995	16:04	0.3	27.3	6.6	294

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1995	3	122	6	4	62	42	20.105	73	46.848	7/19/1995	15:47	0.3	27.9	6.9	291
1995	3	122	6	4	64	42	19.9	73	46.8	7/19/1995	15:55	0.3	28	6.9	290
1995	3	123	4	4	59					7/19/1995	15:12	0.3	27.4	6.7	296
1995	3	123	4	4	60	42	20.64	73	47.39	7/19/1995	15:21	0.3	27.4	6.7	288
1995	3	124	4	4	55	42	21.64	73	47.62	7/19/1995	14:58	0.3	27.5	6.9	289
1995	3	125	4	4	51	42	22.87	73	47.8	7/19/1995	14:45	0.3	28.4	7.8	296
1995	3	128	6	4	43	42	25.02	73	46.62	7/19/1995	14:27	0.3	28.6	8.4	295
1995	3	131	4	4	33	42	28.06	73	47.13	7/19/1995	14:09	0.3	27.4	7.5	288
1995	3	132	6	4	31	42	28.65	73	47.09	7/19/1995	13:58	0.3	27.8	7.7	284
1995	3	134	4	4	28	42	30.027	73	46.913	7/19/1995	13:46	0.3	28.6	8.2	281
1995	3	138	4	4	20	42	33.5	73	45.35	7/19/1995	13:25	0.3	29	6.7	279
1995	3	139	4	4	15	42	34.32	73	45.25	7/19/1995	13:04	0.3	28.8	6.6	280
1995	3	139	4	4	18	42	34.14	73	45.24	7/19/1995	15:15	0.3	29	6.7	280
1995	3	140	6	4	11					7/19/1995	12:45	0.3	28.8	6.9	290
1995	3	142	6	4	8	42	36.82	73	45.4	7/19/1995	12:32	0.3	28	5.8	295
1995	3	145	6	4	4	42	39.51	73	44.09	7/19/1995	12:10	0.3	27.1	6.3	296
1995	3	145	6	4	5	42	39.19	73	44.41	7/19/1995	12:19	0.3	27	6.2	297
1995	4	14	4	2	266	40	52.925	73	56.648	8/1/1995	12:26	0.3	28.6	7.2	21291
1995	4	15	4	2	264	40	53.57	73	56.32	8/1/1995	12:12	0.3	28.5	7.3	20870
1995	4	18	4	2	260	40	56.889	73	55.1	8/1/1995	11:47	0.3	28.6	9.1	18514
1995	4	18	6	2	261	40	56.27	73	54.17	8/1/1995	12:51	0.3	28.3	7.2	19651
1995	4	19	6	2	259	40	57.735	73	53.561	8/1/1995	13:11	0.3	28.1	7.2	19170
1995	4	24	6	2	252	41	2.057	73	52.505	8/1/1995	13:53	0.3	26.7	9.2	17318
1995	4	24	6	2	253	41	1.169	73	52.711	8/1/1995	13:35	0.3	28.6		16107
1995	4	25	4	2	250	41	2.86	73	55.07	8/1/1995	10:55	0.3	28.7		15428
1995	4	25	4	2	270	41	2.783	73	55.05	8/1/1995	11:11	0.3	28.6		15552
1995	4	25	6	2	251	41	2.46	73	52.42	8/1/1995	14:10	0.3	27.4	8.8	18022
1995	4	26	4	2	246	41	3.6	73	55.2	8/1/1995	10:25	0.3	28.9		14905
1995	4	26	4	2	271	41	3.77	73	55.22	8/1/1995	10:15	0.3	28.8		14936
1995	4	26	4	2	283	41	8.34	73	54.4	8/1/1995	10:39	0.3	28.8		15028
1995	4	26	6	2	247	41	3.891	73	52.077	8/1/1995	14:57	0.3	28.9		15181
1995	4	26	6	2	248	41	3.273	73	52.221	8/1/1995	14:41	0.3	28.2		15865
1995	4	26	6	2	249	41	2.67	73	52.3	8/1/1995	14:47	0.3	28.6	9.2	15922
1995	4	27	4	4	245	41	4.19	73	55.21	8/1/1995	10:03	0.3	28.6		14811
1995	4	27	4	4	272	41	4.49	73	55.14	8/1/1995	9:48	0.3	28.6		14811
1995	4	28	6	2	243	41	5.683	73	52.214	8/1/1995	15:22	0.3	29		14875
1995	4	28	6	2	244	41	5.33	73	52.33	8/1/1995	15:12	0.3	28.6		14811
1995	4	29	4	4	242	41	6.1	73	54.88	8/1/1995	9:30	0.3	27.7	13.4	14141
1995	4	30	4	4	241	41	7.14	73	54.77	8/1/1995	9:09	0.3	26.8		14306
1995	4	31	4	4	285	41	3.607	73	55.196	8/1/1995	8:55	0.3	27.7	9.1	13481
1995	4	32	4	4	239	41	8.81	73	54.6	8/1/1995	8:27	0.3	27.8	8.7	13360
1995	4	32	4	4	240	41	8.48	73	54.42	8/1/1995	8:44	0.3	27.5	10	13725
1995	4	32	6	2	237	41	9.274	73	52.181	8/1/1995	16:05	0.3	30.5		14342

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1995	4	32	6	2	238	41	8.85	73	52.123	8/1/1995	15:50	0.3	30		12598
1995	4	32	6	4	269	41	9.445	73	52.243	8/1/1995	16:16	0.3	30		13588
1995	4	33	6	4	236	41	9.79	73	52.202	8/1/1995	16:30	0.3	31.6	18.3	13417
1995	4	34	6	4	234	41	10.19	73	53.93	8/1/1995	16:47	0.3	30.7		12510
1995	4	35	4	4	230	41	10.59	73	56.39	8/2/1995	8:44	0.3	28.2	8.7	12039
1995	4	35	6	4	231	41	11.23	73	53.69	8/2/1995	9:31	0.3	28.6		11756
1995	4	35	6	4	232	41	11.172	73	53.996	8/2/1995	8:58	0.3	28.5		11873
1995	4	35	6	4	274	41	11.17	73	53.71	8/2/1995	9:15	0.3	28.5		11780
1995	4	35	6	4	275	41	11.31	73	53.54	8/2/1995	9:45	0.3	28.6		11664
1995	4	36	4	4	227	41	11.02	73	57.41	8/2/1995	8:30	0.3	28		11994
1995	4	36	4	4	281	41	11.13	73	57.16	8/2/1995	8:19	0.3	27.9	7.8	11361
1995	4	36	4	4	282	41	11.2	73	57.17	8/2/1995	8:09	0.3	27.3	7.9	11500
1995	4	36	6	4	228	41	12.25	73	53.5	8/2/1995	10:19	0.3	29.7		10411
1995	4	36	6	4	276	41	12.17	73	53.51	8/2/1995	10:04	0.3	29.7		10864
1995	4	38	4	4	221	41	13.43	73	57.79	8/2/1995	7:38	0.3	28.5	7.7	10945
1995	4	38	4	4	223	41	12.89	73	57.806	8/2/1995	7:52	0.3	28.3	7.5	10524
1995	4	38	6	4	220					8/2/1995	10:55	0.3	30.2		9948
1995	4	40	4	4	214	41	14.31	73	58.5	8/2/1995	11:14	0.3	33		8639
1995	4	40	6	4	210	41	14.87	73	57.74	8/2/1995	11:32	0.3	30.2		7170
1995	4	41	6	2	208	41	15.72	73	50.84	8/2/1995	11:47	0.3	29.2	6.3	7591
1995	4	43	6	2	203	41	16.91	73	56.26	8/2/1995	12:17	0.3	29.7		7424
1995	4	46	4	2	198	41	19.7	73	59	8/2/1995	12:40	0.3	26.4	7	4840
1995	4	48	4	2	197	41	20.86	73	58.08	8/2/1995	12:56	0.3	26.5	7.1	4830
1995	4	52	6	2	194	41	24.12	73	56.81	8/2/1995	13:20	0.3	25.5	7.5	4042
1995	4	53	4	2	192	41	24.19	73	57.95	8/2/1995	13:39	0.3	26.2	8.2	3305
1995	4	54	6	2	190	41	24.961	73	57.702	8/2/1995	13:54	0.3	26.9	8.6	3181
1995	4	55	6	2	189	41	25.66	73	58.14	8/2/1995	14:07	0.3	26.4	7.8	3098
1995	4	56	4	2	187	41	26.83	74	0.5	8/2/1995	14:39	0.3	29.2		2058
1995	4	56	4	2	188	41	26.47	73	59.66	8/2/1995	14:23	0.3	27.5	8.5	2187
1995	4	57	4	2	186	41	27.28	74	0.8	8/2/1995	14:55	0.3	30.6		2045
1995	4	58	4	2	184	41	27.78	74	0.7	8/2/1995	15:05	0.3	27		2582
1995	4	59	6	2	181	41	29.04	73	59.33	8/2/1995	15:17	0.3	28.3		2310
1995	4	61	4	2	174	41	31.15	74	0.37	8/2/1995	15:40	0.3	28.2	7.5	1073
1995	4	62	6	2	170	41	31.8	73	58.98	8/2/1995	15:54	0.3	29		1368
1995	4	66	4	2	160	41	34.777	73	57.753	8/2/1995	16:15	0.3	29.1		550
1995	4	69	6	2	158	41	36.94	73	56.81	8/2/1995	16:40	0.3	25.8	8.2	568
1995	4	73	6	2	150	41	40.28	73	56.49	8/2/1995	17:06	0.3	23.8	7.4	378
1995	4	74	6	2	149	41	41.064	73	56.289	8/2/1995	17:33	0.3	23.1	7.7	373
1995	4	77	6	2	141	41	44.46	73	56.21	8/2/1995	18:12	0.3	22.5	7.5	334
1995	4	77	6	2	142	41	43.92	73	56.14	8/2/1995	18:01	0.3	22.7	7.3	336
1995	4	78	4	4	139	41	44.786	73	56.758	7/31/1995	19:16	0.3	24.9	6.9	291
1995	4	80	6	4	137	41	46.14	73	56.82	7/31/1995	18:59	0.3	26.3	7.5	289
1995	4	81	4	2	135	41	47.474	73	57.457	7/31/1995	18:26	0.3	26.9	7.5	279

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1995	4	89	6	2	121	41	53.84	73	57.04	7/31/1995	17:59	0.3	27.5	7.5	275
1995	4	90	6	2	120	41	54.02	73	57.2	7/31/1995	17:49	0.3	27.4	7.6	275
1995	4	91	6	2	119	41	55.847	73	56.774	7/31/1995	17:01	0.3	28.3	8.2	266
1995	4	92	4	2	118	41	56.32	73	58.1	7/31/1995	17:17	0.3	29.3		273
1995	4	93	6	2	117	41	57.036	73	56.721	7/31/1995	16:34	0.3	28.6	9	268
1995	4	96	4	2	105	42	0.22	73	56.65	7/31/1995	16:07	0.3	28	7	273
1995	4	96	4	2	110	41	59.4	73	56.94	7/31/1995	16:18	0.3	28.5	8.5	269
1995	4	97	4	2	103	42	0.5	73	56.51	7/31/1995	15:57	0.3	28.9	8.7	274
1995	4	98	4	2	100	42	1.67	73	56.54	7/31/1995	15:33	0.3	27.6	7.1	270
1995	4	98	4	2	101	42	1.426	73	56.456	7/31/1995	15:43	0.3	27.6	7.2	274
1995	4	99	6	2	99	42	2.02	73	55.73	7/31/1995	15:11	0.3	2.8	7.6	482
1995	4	105	4	2	97	42	7.68	73	55.13	7/31/1995	14:35	0.3	32.4		266
1995	4	105	4	2	98	42	7.33	73	55.3	7/31/1995	14:45	0.3	30.8		268
1995	4	106	4	2	96	42	8.147	73	54.796	7/31/1995	14:19	0.3	29.5	8.5	336
1995	4	114	4	4	82	42	14.31	73	50.58	7/31/1995	13:11	0.3	30.2		296
1995	4	114	4	4	83	42	14.26	73	50.71	7/31/1995	13:28	0.3	30.2		286
1995	4	114	6	2	85	42	13.54	73	50.75	7/31/1995	13:44	0.3	30.5		270
1995	4	116	4	4	78					7/31/1995	12:49	0.3	28.9	8.9	285
1995	4	117	4	4	76	42	15.84	73	47.69	7/31/1995	12:04	0.3	29.7	8.8	273
1995	4	119	4	4	72	42	16.82	73	47.28	7/31/1995	11:50	0.3	28.6	6.4	278
1995	4	122	4	4	61	42	20.29	73	47.24	7/31/1995	11:14	0.3	28.3	7.1	281
1995	4	122	6	4	64	42	19.9	73	46.8	7/31/1995	11:28	0.3	28.2	7	282
1995	4	124	4	4	55	42	21.64	73	47.62	7/31/1995	10:34	0.3	28.5	6.2	290
1995	4	124	6	4	56	42	21.49	73	47.29	7/31/1995	10:53	0.3	27.7	6.7	288
1995	4	127	4	4	46	42	24.35	73	47.08	7/31/1995	10:10	0.3	27.8	6.1	293
1995	4	129	6	4	40	42	25.67	73	46.67	7/31/1995	9:51	0.3	27.6	5.2	294
1995	4	134	4	4	27	42	30.17	73	46.88	7/31/1995	9:29	0.3	27.7	5.5	281
1995	4	139	4	4	18	42	34.14	73	45.24	7/31/1995	9:05	0.3	27.1	5.7	264
1995	4	143	4	4	6	42	38.03	73	45.23	7/31/1995	8:48	0.3	27.4	6.1	256
1995	4	145	6	4	5	42	39.19	73	44.41	7/31/1995	8:33	0.3	27	6.2	249
1995	4	151	4	4	1	42	44.51	73	41.196	7/31/1995	7:57	0.3	27.1	7	240
1995	5	16	4	2	262	40	54.9	73	55.7	8/14/1995	12:02	0.3	27.5	6.3	20352
1995	5	18	6	2	261	40	56.27	73	54.17	8/14/1995	12:20	0.3	27.8	6.4	20134
1995	5	22	6	2	256	40	59.97	73	53.05	8/14/1995	12:42	0.3	27.6	6.5	17949
1995	5	23	6	2	254	41	1.086	73	52.681	8/14/1995	13:18	0.3	27.8	6.3	17405
1995	5	23	6	2	255	41	0.74	73	52.83	8/14/1995	13:04	0.3	27.9	6.6	17558
1995	5	24	6	2	252	41	2.057	73	52.505	8/14/1995	13:50	0.3	27.5	6.5	17228
1995	5	24	6	2	253	41	1.169	73	52.711	8/14/1995	13:32	0.3	27.7	6.7	16969
1995	5	25	4	2	250	41	2.86	73	55.07	8/14/1995	11:08	0.3	28.4	8.3	14871
1995	5	25	4	2	270	41	2.783	73	55.05	8/14/1995	11:22	0.3	28	8.3	15086
1995	5	25	6	2	251	41	2.46	73	52.42	8/14/1995	14:06	0.3	27.9	6.5	16901
1995	5	26	4	2	246	41	3.6	73	55.2	8/14/1995	10:41	0.3	27.7	7.7	14990
1995	5	26	4	2	271	41	3.77	73	55.22	8/14/1995	10:32	0.3	27.6	7.6	14926

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1995	5	26	4	2	283	41	8.34	73	54.4	8/14/1995	10:53	0.3	28	8.3	14992
1995	5	26	6	2	247	41	3.891	73	52.077	8/14/1995	14:41	0.3	27.7	6.5	16215
1995	5	26	6	2	248	41	3.273	73	52.221	8/14/1995	14:28	0.3	27.6	6.5	16721
1995	5	26	6	2	249	41	2.67	73	52.3	8/14/1995	14:18	0.3	27.8	6.5	16935
1995	5	27	4	2	245	41	4.19	73	55.21	8/14/1995	10:20	0.3	27.9	8	14553
1995	5	27	4	2	272	41	4.49	73	55.14	8/14/1995	10:06	0.3	28	7.4	14149
1995	5	28	6	2	243	41	5.683	73	52.214	8/14/1995	15:08	0.3	29.1	8.2	14204
1995	5	28	6	2	244	41	5.33	73	52.33	8/14/1995	14:57	0.3	29.1	8.2	14295
1995	5	29	4	2	242	41	6.1	73	54.88	8/14/1995	9:51	0.3	27.8	7.3	14018
1995	5	30	4	4	241	41	7.14	73	54.77	8/14/1995	9:34	0.3	27.2	8.3	13524
1995	5	31	4	4	285	41	3.607	73	55.196	8/14/1995	9:21	0.3	28	6.6	12369
1995	5	32	4	4	239	41	8.81	73	54.6	8/14/1995	8:50	0.3	28	6.5	11994
1995	5	32	4	4	240	41	8.48	73	54.42	8/14/1995	9:13	0.3	28	6.6	12369
1995	5	32	6	2	237	41	9.274	73	52.181	8/14/1995	15:59	0.3	29.9		11992
1995	5	32	6	2	238	41	8.85	73	52.123	8/14/1995	15:27	0.3	28.7		12194
1995	5	32	6	2	269	41	9.445	73	52.243	8/14/1995	15:50	0.3	29.4		11841
1995	5	33	6	2	236	41	9.79	73	52.202	8/14/1995	16:03	0.3	29		12121
1995	5	34	6	2	234	41	10.19	73	53.93	8/14/1995	16:35	0.3	29.2		11889
1995	5	34	6	2	235	41	10.632	73	52.59	8/14/1995	16:17	0.3	29.3		12139
1995	5	35	4	4	229	41	10.59	73	56.41	8/16/1995	8:00	0.3	28.1	6.7	10193
1995	5	35	4	4	230	41	10.59	73	56.39	8/16/1995	8:09	0.3	28.1	6.7	10286
1995	5	35	6	4	231	41	11.23	73	53.69	8/14/1995	16:54	0.3	29.2	8.5	11431
1995	5	35	6	4	275	41	11.31	73	53.54	8/14/1995	17:03	0.3	29.2	8.5	11431
1995	5	36	4	4	227	41	11.02	73	57.41	8/16/1995	7:49	0.3	28.1	6.4	10193
1995	5	36	4	4	281	41	11.13	73	57.16	8/16/1995	7:35	0.3	28	6.5	10120
1995	5	36	4	4	282	41	11.2	73	57.17	8/16/1995	7:28	0.3	28	6.4	10120
1995	5	36	6	4	228	41	12.25	73	53.5	8/14/1995	17:25	0.3	29	9.2	11111
1995	5	36	6	4	276	41	12.17	73	53.51	8/14/1995	17:16	0.3	29	9	11111
1995	5	38	4	4	221	41	13.43	73	57.79	8/16/1995	6:56	0.3	28.5	6.2	9368
1995	5	38	4	4	222	41	12.979	73	57.867	8/16/1995	7:16	0.3	28.4	6.3	9480
1995	5	38	4	4	280	41	13.4	73	57.81	8/16/1995	7:06	0.3	28.5	6.3	9461
1995	5	40	6	4	211	41	14.88	73	57.6	8/16/1995	8:28	0.3	28.2	6.5	9799
1995	5	42	6	4	207	41	15.3	73	57.8	8/16/1995	8:49	0.3	33	6.4	8724
1995	5	44	6	4	201	41	17.74	73	56.87	8/16/1995	9:10	0.3	28.8	7	8113
1995	5	46	4	4	198	41	19.7	73	59	8/16/1995	9:45	0.3	28.1	7	5611
1995	5	46	6	4	199	41	19.42	73	58.77	8/16/1995	9:35	0.3	27.5	6.4	5679
1995	5	49	4	4	196	41	21.16	73	57.74	8/16/1995	10:00	0.3	27.9	6.5	4131
1995	5	52	6	4	193	41	24.12	73	57.31	8/16/1995	10:48	0.3	28	6.7	3467
1995	5	52	6	4	194	41	24.12	73	56.81	8/16/1995	10:31	0.3	28	6.7	3467
1995	5	54	6	4	190	41	24.961	73	57.702	8/16/1995	11:03	0.3	27.8	6.8	3368
1995	5	55	6	4	189	41	25.66	73	58.14	8/16/1995	11:19	0.3	27.9	6.7	2929
1995	5	56	4	4	188	41	26.47	73	59.66	8/16/1995	11:38	0.3	30.5	6.7	1693
1995	5	58	6	4	182	41	28.2	73	59.12	8/16/1995	12:01	0.3	28	8.8	1827

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1995	5	59	6	4	179	41	29.24	73	59.34	8/16/1995	12:29	0.3	28.2	7.6	1661
1995	5	59	6	4	181	41	29.04	73	59.33	8/16/1995	12:17	0.3	28.2	7.5	1670
1995	5	60	6	4	177	41	29.52	73	59.24	8/16/1995	12:41	0.3	28	7.7	1593
1995	5	61	4	2	174	41	31.15	74	0.37	8/16/1995	13:43	0.3	29.1	7.3	806
1995	5	64	4	2	163	41	33.48	73	59.05	8/16/1995	14:21	0.3	29.8	8.3	795
1995	5	66	4	2	160	41	34.777	73	57.753	8/16/1995	14:43	0.3	30.1		530
1995	5	69	6	2	158	41	36.94	73	56.81	8/16/1995	15:09	0.3	28.2	7.6	504
1995	5	73	6	2	150	41	40.28	73	56.49	8/16/1995	15:33	0.3	28	7.2	356
1995	5	74	6	2	149	41	41.064	73	56.289	8/16/1995	16:29	0.3	28	7.3	347
1995	5	77	6	2	140	41	44.56	73	56.17	8/15/1995	18:39	0.3	27.4	7.3	332
1995	5	77	6	2	143	41	43.83	73	56.16	8/15/1995	18:50	0.3	27.4	7.3	332
1995	5	81	4	2	135	41	47.474	73	57.457	8/15/1995	18:14	0.3	27.5	7.6	314
1995	5	83	4	2	131	41	49.33	73	57.31	8/15/1995	17:45	0.3	27.5	8	320
1995	5	83	4	2	133	41	48.74	73	57.19	8/15/1995	18:00	0.3	27.4	7.2	319
1995	5	89	6	2	121	41	53.84	73	57.04	8/15/1995	17:20	0.3	27.5	8.1	321
1995	5	90	6	2	120	41	54.02	73	57.2	8/15/1995	17:11	0.3	27	7.6	324
1995	5	91	6	2	119	41	55.847	73	56.774	8/15/1995	16:44	0.3	27.5	7.7	322
1995	5	92	4	2	118	41	56.32	73	58.1	8/15/1995	16:30	0.3	28.5		320
1995	5	93	4	2	116	41	57.05	73	57.77	8/15/1995	16:20	0.3	27	8.2	326
1995	5	95	4	2	111	41	59.083	73	57.079	8/15/1995	16:06	0.3	27.2	8.5	326
1995	5	96	4	2	105	42	0.22	73	56.65	8/15/1995	15:59	0.3	28.5	8.6	316
1995	5	97	4	2	102	42	0.83	73	56.38	8/15/1995	15:33	0.3	29		320
1995	5	97	4	2	103	42	0.5	73	56.51	8/15/1995	15:51	0.3	28.6	8.6	315
1995	5	98	4	2	101	42	1.426	73	56.456	8/15/1995	15:20	0.3	27.5	8.5	322
1995	5	99	6	2	99	42	2.02	73	55.73	8/15/1995	14:59	0.3	27.5	8.6	320
1995	5	105	4	4	97	42	7.68	73	55.13	8/15/1995	14:01	0.3	29.5		295
1995	5	105	4	4	98	42	7.33	73	55.3	8/15/1995	14:43	0.3	28.1		300
1995	5	106	4	4	96	42	8.147	73	54.796	8/15/1995	13:45	0.3	28		290
1995	5	114	4	4	81	42	14.39	73	50.549	8/15/1995	12:21	0.3	27.9	9	270
1995	5	114	4	4	83	42	14.26	73	50.71	8/15/1995	12:39	0.3	27.6	8.3	268
1995	5	114	6	4	84	42	14.02	73	50.18	8/15/1995	12:56	0.3	27.9	8.9	272
1995	5	115	6	4	79	42	14.8	73	49	8/15/1995	12:04	0.3	27.5	8.5	270
1995	5	116	6	4	77	42	15.02	73	48.31	8/15/1995	11:36	0.3	27.5	8.8	279
1995	5	121	4	4	65	42	19.307	73	47.217	8/15/1995	10:36	0.3	27	7.5	253
1995	5	121	4	4	68	42	18.53	73	47.1	8/15/1995	11:01	0.3	27.5	7.9	256
1995	5	121	6	4	67	42	18.82	73	46.89	8/15/1995	10:48	0.3	27	7.9	258
1995	5	122	6	4	64	42	19.9	73	46.8	8/15/1995	10:23	0.3	26.8	7	250
1995	5	124	6	4	57	42	21.28	73	47.32	8/15/1995	9:59	0.3	26.9	6.9	247
1995	5	128	6	4	43	42	25.02	73	46.62	8/15/1995	9:37	0.3	26	7.2	252
1995	5	133	4	4	29	42	29.09	73	47.273	8/15/1995	9:12	0.3	26.8	7	262
1995	5	134	4	4	27	42	30.17	73	46.88	8/15/1995	9:00	0.3	26.2	7	260
1995	5	138	4	4	20	42	33.5	73	45.35	8/15/1995	8:40	0.3	26.6	6.3	260
1995	5	140	4	4	10					8/15/1995	8:30	0.3	26.6	6.3	262

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1995	5	145	6	2	4	42	39.51	73	44.09	8/15/1995	7:43	0.3	26.1	6.6	264
1995	5	145	6	2	5	42	39.19	73	44.41	8/15/1995	8:09	0.3	26	6.9	256
1995	6	20	6	2	258	40	57.73	73	53.661	8/30/1995	13:38	0.3	25	6.2	21715
1995	6	21	6	2	257	40	59.13	73	53.13	8/30/1995	13:21	0.3	25	6.9	19723
1995	6	22	6	2	256	40	59.97	73	53.05	8/30/1995	13:05	0.3	24.2	7.6	19240
1995	6	23	6	2	254	41	1.086	73	52.681	8/30/1995	12:42	0.3	24.6	7.9	18881
1995	6	23	6	2	255	41	0.74	73	52.83	8/30/1995	12:51	0.3	24.9	7.7	18865
1995	6	24	6	2	252	41	2.057	73	52.505	8/30/1995	12:13	0.3	24.2	7.6	18227
1995	6	24	6	2	253	41	1.169	73	52.711	8/30/1995	12:28	0.3	24.2	7.6	18430
1995	6	25	4	2	250	41	2.86	73	55.07	8/30/1995	14:21	0.3	25		17133
1995	6	25	4	2	270	41	2.783	73	55.05	8/30/1995	14:08	0.3	24.3	7.3	17179
1995	6	25	6	2	251	41	2.46	73	52.42	8/30/1995	12:02	0.3	24.5	7.3	17914
1995	6	26	4	2	246	41	3.6	73	55.2	8/30/1995	14:43	0.3	24.2	7.8	16303
1995	6	26	4	2	271	41	3.77	73	55.22	8/30/1995	14:50	0.3	24.4	7.8	16034
1995	6	26	4	2	283	41	8.34	73	54.4	8/30/1995	14:32	0.3	24	7.3	17184
1995	6	26	6	4	247	41	3.891	73	52.077	8/30/1995	11:36	0.3	24.4	7.2	18051
1995	6	26	6	2	248	41	3.273	73	52.221	8/30/1995	11:43	0.3	25	6.9	17731
1995	6	26	6	2	249	41	2.67	73	52.3	8/30/1995	11:53	0.3	25.1	7.2	17694
1995	6	27	4	2	245	41	4.19	73	55.21	8/30/1995	14:58	0.3	24.7	7.3	16237
1995	6	27	4	2	272	41	4.49	73	55.14	8/30/1995	15:08	0.3	24.1	7.9	16337
1995	6	28	6	4	243	41	5.683	73	52.214	8/30/1995	11:00	0.3	23.8	7.2	16234
1995	6	28	6	4	244	41	5.33	73	52.33	8/30/1995	11:08	0.3	24.5	7.4	16203
1995	6	29	4	2	242	41	6.1	73	54.88	8/30/1995	15:23	0.3	24.5	7.8	16102
1995	6	30	4	2	241	41	7.14	73	54.77	8/30/1995	15:35	0.3	24.9	8.2	15172
1995	6	31	4	4	285	41	3.607	73	55.196	8/30/1995	9:40	0.3	24.5	7.4	14593
1995	6	32	4	4	239	41	8.81	73	54.6	8/30/1995	9:18	0.3	24.1	7.8	14409
1995	6	32	4	4	240	41	8.48	73	54.42	8/30/1995	9:32	0.3	24.1	7.3	14612
1995	6	32	6	4	237	41	9.274	73	52.181	8/30/1995	10:24	0.3	24.4	7.2	14925
1995	6	32	6	4	238	41	8.85	73	52.123	8/30/1995	10:36	0.3	24.5	7.4	15096
1995	6	32	6	4	269	41	9.445	73	52.243	8/30/1995	10:08	0.3	23.9	7.6	14978
1995	6	33	6	4	236	41	9.79	73	52.202	8/30/1995	9:58	0.3	23.4	7.6	15030
1995	6	35	4	4	277	41	10.95	73	57.06	8/30/1995	8:53	0.3	24.5	8	14089
1995	6	35	6	2	231	41	11.23	73	53.69	8/30/1995	16:35	0.3	25.9	8.3	13887
1995	6	35	6	2	274	41	11.17	73	53.71	8/30/1995	16:09	0.3	24.2	8	14278
1995	6	35	6	2	275	41	11.31	73	53.54	8/30/1995	16:45	0.3	24.8	8.2	14003
1995	6	36	4	4	227	41	11.02	73	57.41	8/30/1995	8:43	0.3	24.2	7.9	14177
1995	6	36	4	4	281	41	11.13	73	57.16	8/30/1995	8:28	0.3	24.2	8.1	13772
1995	6	36	4	4	282	41	11.2	73	57.17	8/30/1995	8:27	0.3	24.1	8.1	13496
1995	6	37	4	4	225	41	12.096	73	57.458	8/30/1995	8:00	0.3	24.8	8	13203
1995	6	38	4	4	221	41	13.43	73	57.79	8/30/1995	6:52	0.3	24.9	7.5	12976
1995	6	38	4	4	222	41	12.979	73	57.867	8/30/1995	7:34	0.3	24.8	7.9	13203
1995	6	38	4	4	223	41	12.89	73	57.806	8/30/1995	7:44	0.3	25.1	8	13818
1995	6	38	4	4	278	41	12.96	73	57.828	8/30/1995	7:20	0.3	24.8	7.9	13403

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1995	6	38	4	4	279	41	13.36	73	57.82	8/30/1995	7:12	0.3	25	7.8	13049
1995	6	38	4	4	280	41	13.4	73	57.81	8/30/1995	7:00	0.3	24.8	7.7	13203
1995	6	39	4	4	216	41	13.48	73	57.84	8/30/1995	17:13	0.3	26.8	8	12386
1995	6	40	6	4	213	41	14.64	73	57.15	8/30/1995	17:32	0.3	25.8	7.6	12935
1995	6	43	6	4	204	41	16.693	73	56.484	8/31/1995	7:23	0.3	24.8	7.2	10902
1995	6	43	6	4	205	41	16.413	73	56.551	8/31/1995	6:52	0.3	22.8	7.5	10944
1995	6	44	6	4	201	41	17.74	73	56.87	8/31/1995	7:45	0.3	26.2	6.8	11858
1995	6	49	4	4	196	41	21.16	73	57.74	8/31/1995	8:05	0.3	25.8	6.2	9799
1995	6	51	6	4	195	41	22.87	73	50.61	8/31/1995	8:30	0.3	24.8	7.1	9102
1995	6	52	6	4	193	41	24.12	73	57.31	8/31/1995	9:16	0.3	25.7	7.3	7856
1995	6	52	6	4	194	41	24.12	73	56.81	8/31/1995	9:02	0.3	25.8	7.2	7937
1995	6	53	4	4	192	41	24.19	73	57.95	8/31/1995	9:36	0.3	25.3	6.9	7128
1995	6	56	4	4	187	41	26.83	74	0.5	8/31/1995	10:05	0.3	25.1	8.1	4970
1995	6	57	4	4	185	41	27.68	74	0.73	8/31/1995	10:47	0.3	26	7.3	5172
1995	6	57	4	4	186	41	27.28	74	0.8	8/31/1995	10:32	0.3	26.1	7.2	5162
1995	6	58	4	4	184	41	27.78	74	0.7	8/31/1995	11:04	0.3	25.8	7.8	4704
1995	6	59	6	4	179	41	29.24	73	59.34	8/31/1995	11:31	0.3	24.8	6.4	4621
1995	6	59	6	4	181	41	29.04	73	59.33	8/31/1995	11:24	0.3	25	6.5	4622
1995	6	62	4	4	173	41	31.59	74	0.28	8/31/1995	11:54	0.3	26.3	6.8	3395
1995	6	72	4	4	151	41	40.04	73	57.11	8/29/1995	18:45	0.3	19.4	11.2	1366
1995	6	73	6	4	150	41	40.28	73	56.49	8/29/1995	18:32	0.3	21.2		1918
1995	6	74	6	4	148	41	41.15	73	56.31	8/29/1995	18:20	0.3	21		1353
1995	6	76	4	2	144					8/29/1995	18:01	0.3	21		541
1995	6	77	6	2	142	41	43.92	73	56.14	8/29/1995	17:52	0.3	22.1		474
1995	6	80	6	2	137	41	46.14	73	56.82	8/29/1995	17:37	0.3	24.3	9.9	312
1995	6	81	4	2	135	41	47.474	73	57.457	8/29/1995	17:23	0.3	25.2	11.1	276
1995	6	82	4	2	134	41	48.51	73	57.22	8/29/1995	17:06	0.3	25		278
1995	6	83	4	2	133	41	48.74	73	57.19	8/29/1995	16:47	0.3	24.9		278
1995	6	86	6	2	125	41	51.75	73	55.89	8/29/1995	16:24	0.3	26		272
1995	6	88	6	2	122	41	53.023	73	56.214	8/29/1995	16:09	0.3	26.2		270
1995	6	89	6	2	121	41	53.84	73	57.04	8/29/1995	15:58	0.3	24.5	9.1	277
1995	6	90	6	2	120	41	54.02	73	57.2	8/29/1995	15:48	0.3	24.6	9.4	273
1995	6	92	4	2	118	41	56.32	73	58.1	8/29/1995	15:28	0.3	25.8		267
1995	6	96	4	2	105	42	0.22	73	56.65	8/29/1995	14:55	0.3	25.3		259
1995	6	96	4	2	108	41	59.76	73	56.81	8/29/1995	15:02	0.3	25.2	11.2	260
1995	6	96	4	2	110	41	59.4	73	56.94	8/29/1995	15:10	0.3	24.8		261
1995	6	97	4	2	102	42	0.83	73	56.38	8/29/1995	14:32	0.3	25.3	9.2	267
1995	6	97	4	2	103	42	0.5	73	56.51	8/29/1995	14:43	0.3	25.6		259
1995	6	98	4	2	100	42	1.67	73	56.54	8/29/1995	14:06	0.3	24.2	9.2	263
1995	6	98	4	2	101	42	1.426	73	56.456	8/29/1995	14:15	0.3	24.1	9.3	262
1995	6	105	4	4	98	42	7.33	73	55.3	8/29/1995	13:41	0.3	25.3		247
1995	6	106	4	4	96	42	8.147	73	54.796	8/29/1995	13:26	0.3	25.3		246
1995	6	114	4	4	81	42	14.39	73	50.549	8/29/1995	12:47	0.3	24.3		230

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1995	6	115	6	4	80	42	14.8	73	49.1	8/29/1995	12:32	0.3	24.5	7.9	223
1995	6	116	6	4	77	42	15.02	73	48.31	8/29/1995	11:58	0.3	24.4	7.7	234
1995	6	119	4	4	72	42	16.82	73	47.28	8/29/1995	11:40	0.3	24.6	8	233
1995	6	121	6	4	66	42	19.33	73	46.85	8/29/1995	11:08	0.3	24.5	7.8	232
1995	6	121	6	4	67	42	18.82	73	46.89	8/29/1995	11:22	0.3	24.5	8.2	230
1995	6	122	4	4	61	42	20.29	73	47.24	8/29/1995	10:40	0.3	24.3	7.9	222
1995	6	122	4	4	63	42	19.84	73	47.18	8/29/1995	10:53	0.3	24.9	8.5	231
1995	6	124	4	4	55	42	21.64	73	47.62	8/29/1995	10:09	0.3	24	7.9	228
1995	6	124	6	4	56	42	21.49	73	47.29	8/29/1995	10:25	0.3	24	7.8	226
1995	6	131	4	4	33	42	28.06	73	47.13	8/29/1995	9:45	0.3	24.1	6.2	252
1995	6	134	4	4	28	42	30.027	73	46.913	8/29/1995	9:28	0.3	24	6	242
1995	6	138	4	4	20	42	33.5	73	45.35	8/29/1995	9:08	0.3	23.3	6.1	237
1995	6	139	4	4	16	42	34.31	73	45.21	8/29/1995	8:49	0.3	24.2	6	244
1995	6	139	4	4	18	42	34.14	73	45.24	8/29/1995	9:01	0.3	24.1	6.1	244
1995	6	141	4	4	9					8/29/1995	8:45	0.3	23.9	6	213
1995	6	142	6	4	8	42	36.82	73	45.4	8/29/1995	8:22	0.3	23.3	6.1	250
1995	7	16	4	2	262	40	54.9	73	55.7	9/11/1995	12:08	0.3	22.9		19659
1995	7	20	6	2	258	40	57.73	73	53.661	9/11/1995	12:27	0.3	23.6	10.2	19274
1995	7	21	6	2	257	40	59.13	73	53.13	9/11/1995	12:47	0.3	23.3	9.5	19394
1995	7	22	6	2	256	40	59.97	73	53.05	9/11/1995	13:00	0.3	23.9	8.9	19359
1995	7	23	6	2	254	41	1.086	73	52.681	9/11/1995	13:13	0.3	23.5	10	18389
1995	7	25	4	2	270	41	2.783	73	55.05	9/11/1995	11:30	0.3	21.9	10.2	16249
1995	7	25	4	2	270	41	2.783	73	55.05	9/13/1995	14:08	0.3	21.2		16704
1995	7	25	6	2	251	41	2.46	73	52.42	9/11/1995	13:29	0.3	24.1	9.4	18163
1995	7	26	4	2	246	41	3.6	73	55.2	9/11/1995	11:03	0.3	20.6	9.2	16261
1995	7	26	4	2	271	41	3.77	73	55.22	9/11/1995	10:45	0.3	20.8	9.4	16084
1995	7	26	4	2	283	41	8.34	73	54.4	9/11/1995	11:14	0.3	20.5	9.4	16405
1995	7	26	4	2	271	41	3.77	73	55.22	9/13/1995	13:54	0.3	21.3		16992
1995	7	26	4	2	283	41	8.34	73	54.4	9/13/1995	14:24	0.3	21.2		17243
1995	7	27	4	2	272	41	4.49	73	55.14	9/13/1995	13:41	0.3	20.8	7.3	16954
1995	7	28	6	2	243	41	5.683	73	52.214	9/11/1995	14:03	0.3	23.9	11.3	15283
1995	7	28	6	2	244	41	5.33	73	52.33	9/11/1995	13:48	0.3	23.2	11.3	15713
1995	7	28	6	2	243	41	5.683	73	52.214	9/13/1995	14:45	0.3	22.9	6.5	15603
1995	7	29	4	2	242	41	6.1	73	54.88	9/11/1995	10:28	0.3	22	9.6	15367
1995	7	29	4	2	242	41	6.1	73	54.88	9/13/1995	13:25	0.3	21.2		16489
1995	7	30	4	2	241	41	7.14	73	54.77	9/11/1995	10:05	0.3	22.2	9.3	14670
1995	7	30	4	2	241	41	7.14	73	54.77	9/13/1995	12:50	0.3	22	6	15791
1995	7	31	4	2	285	41	3.607	73	55.196	9/13/1995	12:32	0.3	22.1		15018
1995	7	32	4	2	239	41	8.81	73	54.6	9/11/1995	9:32	0.3	23.1	8	13673
1995	7	32	4	2	240	41	8.48	73	54.42	9/11/1995	9:46	0.3	22.9	8.6	14354
1995	7	32	4	2	239	41	8.81	73	54.6	9/13/1995	12:06	0.3	23.2	9	14472
1995	7	32	4	2	240	41	8.48	73	54.42	9/13/1995	12:21	0.3	22.2	6.5	15303
1995	7	32	6	2	237	41	9.274	73	52.181	9/13/1995	15:06	0.3	23	6.7	13702

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1995	7	33	6	2	236	41	9.79	73	52.202	9/11/1995	14:38	0.3	24.1		14307
1995	7	33	6	2	236	41	9.79	73	52.202	9/13/1995	15:24	0.3	22.5	8.1	14159
1995	7	34	6	2	234	41	10.19	73	53.93	9/13/1995	16:10	0.3	23.2	6.8	13438
1995	7	34	6	2	235	41	10.632	73	52.59	9/13/1995	15:43	0.3	21.5	6.1	14029
1995	7	35	4	2	229	41	10.59	73	56.41	9/13/1995	9:25	0.3	24		13218
1995	7	35	4	2	230	41	10.59	73	56.39	9/13/1995	11:42	0.3	24.5	9	12580
1995	7	35	4	2	277	41	10.95	73	57.06	9/13/1995	9:10	0.3	23.2		13232
1995	7	35	6	3	232	41	11.172	73	53.996	9/13/1995	16:34	0.3	22.9	7.4	13314
1995	7	35	6	3	274	41	11.17	73	53.71	9/13/1995	17:09	0.3	22.4	7.7	13453
1995	7	36	4	4	281	41	11.13	73	57.16	9/13/1995	8:55	0.3	23.3		13204
1995	7	36	4	4	282	41	11.2	73	57.17	9/13/1995	8:41	0.3	23.5	7.2	13253
1995	7	37	4	4	224					9/14/1995	17:45	0.3	25.1	8.1	12724
1995	7	38	4	4	278	41	12.96	73	57.828	9/13/1995	8:22	0.3	24		12405
1995	7	38	4	4	280	41	13.4	73	57.81	9/13/1995	8:05	0.3	25	5.2	11953
1995	7	38	4	4	221	41	13.43	73	57.79	9/14/1995	17:35	0.3	25	8	12750
1995	7	38	4	4	222	41	12.979	73	57.867	9/14/1995	17:25	0.3	24.3	8.1	12632
1995	7	40	4	4	214	41	14.31	73	58.5	9/14/1995	17:15	0.3	25.3	7.9	11880
1995	7	40	6	4	210	41	14.87	73	57.74	9/14/1995	17:00	0.3	25.1	8.2	11929
1995	7	43	6	4	202	41	17.12	73	55.98	9/14/1995	18:15	0.3	24.8	9.2	9902
1995	7	43	6	2	203	41	16.91	73	56.26	9/14/1995	16:48	0.3	25	8.2	9951
1995	7	46	4	2	198	41	19.7	73	59	9/14/1995	16:31	0.3	25	7.5	9941
1995	7	48	4	2	197	41	20.86	73	58.08	9/14/1995	16:15	0.3	24.3	8	7579
1995	7	49	4	2	196	41	21.16	73	57.74	9/14/1995	16:00	0.3	24.1	7.9	8118
1995	7	52	6	2	193	41	24.12	73	57.31	9/14/1995	15:30	0.3	24.9	7.8	7486
1995	7	52	6	2	194	41	24.12	73	56.81	9/14/1995	15:40	0.3	24.8	7.8	7502
1995	7	53	6	2	191	41	24.882	73	57.554	9/14/1995	15:18	0.3	24.9	7.8	5989
1995	7	56	4	2	187	41	26.83	74	0.5	9/14/1995	15:01	0.3	24.8	8.8	4401
1995	7	57	4	2	185	41	27.68	74	0.73	9/14/1995	14:38	0.3	25	9.5	4483
1995	7	57	4	2	186	41	27.28	74	0.8	9/14/1995	14:50	0.3	25	9.9	4483
1995	7	58	4	2	183	41	28.02	74	0.87	9/14/1995	14:18	0.3	24.9	9.8	4492
1995	7	58	4	2	184	41	27.78	74	0.7	9/14/1995	14:25	0.3	24.9		4671
1995	7	61	4	2	174	41	31.15	74	0.37	9/14/1995	14:00	0.3	24.2	7.9	3038
1995	7	62	6	2	170	41	31.8	73	58.98	9/14/1995	13:39	0.3	24	8	3610
1995	7	63	6	2	169	41	32.07	73	58.83	9/14/1995	13:20	0.3	24.1	8.4	3298
1995	7	64	4	2	163	41	33.48	73	59.05	9/14/1995	13:01	0.3	24.7	8.1	2656
1995	7	69	4	2	155	41	37.44	73	57.43	9/14/1995	12:39	0.3	25	8	1106
1995	7	74	6	4	148	41	41.15	73	56.31	9/14/1995	12:11	0.3	25	9.8	847
1995	7	77	6	4	140	41	44.56	73	56.17	9/14/1995	8:06	0.3	23.5	7.1	483
1995	7	77	6	4	141	41	44.46	73	56.21	9/14/1995	8:35	0.3	27	7.2	440
1995	7	83	4	4	133	41	48.74	73	57.19	9/14/1995	8:48	0.3	22.7	7.7	282
1995	7	84	6	4	130	41	50.19	73	56.63	9/14/1995	9:11	0.3	23.9	8	265
1995	7	85	6	4	127	41	51.18	73	56.5	9/14/1995	9:33	0.3	22.6	7.8	274
1995	7	86	6	4	125	41	51.75	73	55.89	9/14/1995	9:47	0.3	22	7.8	276

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1995	7	88	6	4	122	41	53.023	73	56.214	9/14/1995	10:08	0.3	23.1	8.3	261
1995	7	89	6	4	121	41	53.84	73	57.04	9/14/1995	10:25	0.3	22	8.2	265
1995	7	90	6	4	120	41	54.02	73	57.2	9/14/1995	10:34	0.3	23.3	8.8	263
1995	7	92	4	4	118	41	56.32	73	58.1	9/14/1995	10:58	0.3	23.2	9.5	263
1995	7	94	6	2	114	41	58.085	73	56.467	9/12/1995	16:40	0.3	22.2	8.6	237
1995	7	96	4	2	108	41	59.76	73	56.81	9/12/1995	16:13	0.3	21.8	9.6	255
1995	7	96	6	2	109	41	59.43	73	56.012	9/12/1995	16:25	0.3	22		247
1995	7	97	4	2	103	42	0.5	73	56.51	9/12/1995	15:55	0.3	21.6	9.3	255
1995	7	98	4	2	100	42	1.67	73	56.54	9/12/1995	15:35	0.3	21	8.6	250
1995	7	98	4	2	101	42	1.426	73	56.456	9/12/1995	15:45	0.3	21	8.5	249
1995	7	99	6	2	99	42	2.02	73	55.73	9/12/1995	15:24	0.3	21.5	8.7	252
1995	7	105	4	2	98	42	7.33	73	55.3	9/12/1995	15:00	0.3	22		247
1995	7	106	4	2	96	42	8.147	73	54.796	9/12/1995	14:50	0.3	21.5	9.8	257
1995	7	108	6	2	94	42	9.56	73	53.18	9/12/1995	14:25	0.3	22		258
1995	7	111	6	2	89					9/12/1995	14:10	0.3	21.6	8.2	256
1995	7	112	4	2	88	42	12.69	73	51.26	9/12/1995	13:55	0.3	22	8.2	265
1995	7	114	6	2	84	42	14.02	73	50.18	9/12/1995	13:25	0.3	22.1		263
1995	7	115	6	1	80	42	14.8	73	49.1	9/12/1995	13:05	0.3	22.1	8.5	267
1995	7	117	4	4	76	42	15.84	73	47.69	9/12/1995	12:40	0.3	22	8.4	278
1995	7	121	4	4	65	42	19.307	73	47.217	9/12/1995	11:54	0.3	21.3	8	280
1995	7	121	6	4	66	42	19.33	73	46.85	9/12/1995	12:09	0.3	22.1		275
1995	7	122	6	4	64	42	19.9	73	46.8	9/12/1995	11:39	0.3	20.5	8	284
1995	7	124	4	4	58					9/12/1995	11:25	0.3	23.2	7.9	258
1995	7	129	6	4	40	42	25.67	73	46.67	9/12/1995	11:04	0.3	21.2		285
1995	7	132	4	4	30					9/12/1995	10:40	0.3	21.5	7	287
1995	7	140	4	4	10					9/12/1995	10:16	0.3	20	7.2	256
1995	7	142	6	4	8	42	36.82	73	45.4	9/12/1995	9:58	0.3	20	7.2	254
1995	7	148	6	4	3	42	41.41	73	42.584	9/12/1995	9:35	0.3	19.5	8.4	231
1995	7	149	6	4	2	42	42	73	42.07	9/12/1995	9:25	0.3	19.5	8.6	213
1995	7	151	4	4	1	42	44.51	73	41.196	9/12/1995	9:08	0.3	20	8.1	232
1995	8	19	6	4	259	40	57.735	73	53.561	9/28/1995	9:48	0.3	19.1	6.6	19378
1995	8	21	6	4	257	40	59.13	73	53.13	9/28/1995	9:35	0.3	19.3	6.7	18959
1995	8	22	6	4	256	40	59.97	73	53.05	9/28/1995	9:21	0.3	18.8	6.7	19049
1995	8	23	6	4	254	41	1.086	73	52.681	9/28/1995	8:58	0.3	18.2	6.9	18377
1995	8	23	6	4	255	41	0.74	73	52.83	9/28/1995	9:08	0.3	18.4	7.1	18069
1995	8	25	4	2	250	41	2.86	73	55.07	9/25/1995	11:52	0.3	18.5	7.9	17003
1995	8	25	6	4	251	41	2.46	73	52.42	9/28/1995	10:17	0.3	19	7.3	17726
1995	8	26	4	2	246	41	3.6	73	55.2	9/25/1995	11:40	0.3	18.9	7.3	15274
1995	8	26	4	2	271	41	3.77	73	55.22	9/25/1995	11:23	0.3	19	7.9	15693
1995	8	26	4	4	246	41	3.6	73	55.2	9/28/1995	8:26	0.3	18.3	9.9	17191
1995	8	26	4	4	283	41	8.34	73	54.4	9/28/1995	8:37	0.3	18.3	6.4	17306
1995	8	26	6	4	247	41	3.891	73	52.077	9/28/1995	10:31	0.3	18.7	7.2	17840
1995	8	27	4	2	245	41	4.19	73	55.21	9/25/1995	11:08	0.3	19	7.4	15693

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1995	8	28	6	2	243	41	5.683	73	52.214	9/25/1995	12:30	0.3	19.4	7	15224
1995	8	28	6	2	244	41	5.33	73	52.33	9/25/1995	12:18	0.3	20.2	6.7	15298
1995	8	28	6	4	244	41	5.33	73	52.33	9/28/1995	10:46	0.3	18.6	7.9	16170
1995	8	29	4	2	242	41	6.1	73	54.88	9/25/1995	10:50	0.3	19.2	8	14390
1995	8	29	4	4	242	41	6.1	73	54.88	9/28/1995	8:08	0.3	18.2	7.2	16654
1995	8	30	4	2	241	41	7.14	73	54.77	9/25/1995	10:32	0.3	19.2	7.6	16301
1995	8	30	4	4	241	41	7.14	73	54.77	9/28/1995	7:48	0.3	18.3	7	17077
1995	8	31	4	2	285	41	3.607	73	55.196	9/25/1995	10:17	0.3	19.8	7.5	13098
1995	8	32	4	2	239	41	8.81	73	54.6	9/25/1995	9:44	0.3	19.9	7.3	15617
1995	8	32	4	2	240	41	8.48	73	54.42	9/25/1995	10:06	0.3	19.8	7.8	12987
1995	8	32	4	4	240	41	8.48	73	54.42	9/28/1995	7:32	0.3	21.8	7.1	14687
1995	8	32	6	2	269	41	9.445	73	52.243	9/25/1995	12:52	0.3	20.1	7.2	14118
1995	8	32	6	2	237	41	9.274	73	52.181	9/28/1995	11:25	0.3	19.4	8.2	15672
1995	8	32	6	4	238	41	8.85	73	52.123	9/28/1995	11:05	0.3	18.2	9.2	16309
1995	8	32	6	2	269	41	9.445	73	52.243	9/28/1995	11:56	0.3	19.4	8	15560
1995	8	33	6	2	236	41	9.79	73	52.202	9/28/1995	12:07	0.3	19.5	8.2	15639
1995	8	34	6	2	233	41	10.662	73	53.922	9/28/1995	12:34	0.3	20	8.5	15253
1995	8	34	6	2	234	41	10.19	73	53.93	9/28/1995	12:23	0.3	19.8	8.1	14985
1995	8	35	4	2	229	41	10.59	73	56.41	9/28/1995	13:40	0.3	21	7.6	13961
1995	8	35	4	2	230	41	10.59	73	56.39	9/28/1995	13:55	0.3	21.2		13794
1995	8	35	4	2	277	41	10.95	73	57.06	9/28/1995	14:08	0.3	20.3	7.9	14278
1995	8	35	6	2	231	41	11.23	73	53.69	9/28/1995	12:55	0.3	20.3	8.6	15156
1995	8	35	6	2	274	41	11.17	73	53.71	9/28/1995	12:45	0.3	20.1	8.5	14559
1995	8	36	4	2	281	41	11.13	73	57.16	9/28/1995	14:20	0.3	20.8	7.9	14019
1995	8	36	4	2	282	41	11.2	73	57.17	9/28/1995	14:29	0.3	21		14069
1995	8	36	6	2	228	41	12.25	73	53.5	9/28/1995	13:19	0.3	19.8	8.1	14652
1995	8	36	6	2	276	41	12.17	73	53.51	9/28/1995	13:09	0.3	19.8	7.9	14652
1995	8	38	4	2	221	41	13.43	73	57.79	9/28/1995	15:08	0.3	22.6	7.6	12979
1995	8	38	4	2	278	41	12.96	73	57.828	9/28/1995	14:46	0.3	22	7.8	13036
1995	8	38	4	2	280	41	13.4	73	57.81	9/28/1995	14:58	0.3	22.7	7.8	12952
1995	8	40	4	4	214	41	14.31	73	58.5	9/27/1995	17:38	0.3	22.2	6.9	13720
1995	8	41	6	4	208	41	15.72	73	50.84	9/27/1995	17:20	0.3	22.9	7.1	14354
1995	8	43	6	4	204	41	16.693	73	56.484	9/27/1995	18:00	0.3	21.8	7.2	11920
1995	8	44	6	4	201	41	17.74	73	56.87	9/27/1995	17:06	0.3	22	7.1	13566
1995	8	46	4	4	198	41	19.7	73	59	9/27/1995	16:39	0.3	21.9	6.8	12744
1995	8	48	4	4	197	41	20.86	73	58.08	9/27/1995	16:21	0.3	22.4	7.4	9775
1995	8	49	4	4	196	41	21.16	73	57.74	9/27/1995	16:10	0.3	21.8	7.1	11068
1995	8	52	6	4	193	41	24.12	73	57.31	9/27/1995	15:46	0.3	22	7.2	9644
1995	8	53	4	2	192	41	24.19	73	57.95	9/27/1995	15:35	0.3	21.5	7.5	9638
1995	8	55	6	2	189	41	25.66	73	58.14	9/27/1995	15:16	0.3	22	7.7	7843
1995	8	56	4	2	187	41	26.83	74	0.5	9/27/1995	14:59	0.3	21.8	8.1	5428
1995	8	57	4	2	186	41	27.28	74	0.8	9/27/1995	14:42	0.3	21.4	7.8	5130
1995	8	58	4	2	183	41	28.02	74	0.87	9/27/1995	14:29	0.3	21.3	8.7	5248

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1995	8	59	6	2	178	41	29.25	73	59.32	9/27/1995	13:36	0.3	20.1	7.4	5493
1995	8	59	6	2	180	41	29.08	73	59.37	9/27/1995	13:58	0.3	20.4	7.9	5272
1995	8	59	6	2	181	41	29.04	73	59.33	9/27/1995	14:11	0.3	20.5	7.9	5796
1995	8	62	4	2	171	41	32.19	73	59.91	9/27/1995	13:14	0.3	21.6	7.7	4061
1995	8	65	4	2	162	41	33.99	73	58.39	9/27/1995	12:56	0.3	21.8	8.1	2980
1995	8	69	6	2	156	41	37.03	73	56.88	9/27/1995	12:06	0.3	21.7	8.1	2005
1995	8	72	4	2	151	41	40.04	73	57.11	9/27/1995	11:45	0.3	21.2		733
1995	8	76	4	2	146	41	42.94	73	56.87	9/27/1995	11:21	0.3	20.2	8	715
1995	8	77	6	2	141	41	44.46	73	56.21	9/27/1995	11:06	0.3	20.2	7.9	339
1995	8	83	4	2	133	41	48.74	73	57.19	9/27/1995	10:40	0.3	19.6	8.5	312
1995	8	84	4	2	129	41	50.61	73	57.28	9/27/1995	10:00	0.3	19.2	8.2	270
1995	8	84	6	2	130	41	50.19	73	56.63	9/27/1995	10:20	0.3	19.6	8.3	284
1995	8	85	6	2	127	41	51.18	73	56.5	9/27/1995	9:49	0.3	19.2	8.4	272
1995	8	88	6	2	122	41	53.023	73	56.214	9/27/1995	9:20	0.3	18.6	8.3	284
1995	8	90	6	4	120	41	54.02	73	57.2	9/27/1995	8:58	0.3	19	8.3	282
1995	8	92	4	4	118	41	56:32	73	58.1	9/27/1995	7:14	0.3	18.4	7.8	277
1995	8	93	4	4	116	41	57.05	73	57.77	9/27/1995	7:35	0.3	18.1	8.4	285
1995	8	93	6	4	117	41	57.036	73	56.721	9/27/1995	8:33	0.3	18.7	8.3	276
1995	8	95	6	4	112	41	58.238	73	56.123	9/27/1995	8:11	0.3	18.7	8	278
1995	8	96	4	4	105	42	0.22	73	56.65	9/26/1995	17:43	0.3	18.7	9	298
1995	8	96	4	4	110	41	59.4	73	56.94	9/27/1995	7:49	0.3	18.3	8.1	275
1995	8	97	4	4	103	42	0.5	73	56.51	9/26/1995	17:33	0.3	18.5	9	274
1995	8	98	4	4	101	42	1.426	73	56.456	9/26/1995	17:22	0.3	18.6	9.3	268
1995	8	99	6	2	99	42	2.02	73	55.73	9/26/1995	17:05	0.3	18.6	9	286
1995	8	105	4	2	97	42	7.68	73	55.13	9/26/1995	16:19	0.3	18.8	9	272
1995	8	105	4	2	98	42	7.33	73	55.3	9/26/1995	16:40	0.3	18.7	8.8	278
1995	8	106	4	2	96	42	8.147	73	54.796	9/26/1995	16:01	0.3	18.3	8.7	298
1995	8	109	6	2	92	42	10.27	73	52.32	9/26/1995	15:41	0.3	18.8	9.1	272
1995	8	110	6	2	90	42	11.04	73	51.38	9/26/1995	15:24	0.3	19	9.4	294
1995	8	111	6	2	89					9/26/1995	15:01	0.3	18.9	9.8	319
1995	8	113	4	2	86	42	13.12	73	51.33	9/26/1995	14:15	0.3	18.9	8.2	275
1995	8	114	6	2	84	42	14.02	73	50.18	9/26/1995	13:58	0.3	18.9	9	281
1995	8	115	6	2	79	42	14.8	73	49	9/26/1995	13:43	0.3	19.2	9.8	275
1995	8	117	4	2	76	42	15.84	73	47.69	9/26/1995	13:29	0.3	19.2	8.9	270
1995	8	119	4	2	70	42	17.317	73	47.373	9/26/1995	13:03	0.3	18.9	8.6	260
1995	8	119	4	2	72	42	16.82	73	47.28	9/26/1995	12:47	0.3	19.5	8.7	357
1995	8	119	6	2	71	42	17.16	73	46.8	9/26/1995	13:17	0.3	19.2	10.1	270
1995	8	128	6	4	43	42	25.02	73	46.62	9/26/1995	10:29	0.3	17.8	7.5	249
1995	8	131	4	4	33	42	28.06	73	47.13	9/26/1995	10:06	0.3	18.1	8.3	242
1995	8	139	4	4	18	42	34.14	73	45.24	9/26/1995	9:40	0.3	18.2	7.9	235
1995	8	140	4	4	13	42	34.59	73	45.25	9/26/1995	9:28	0.3	18.1	8	229
1995	8	142	6	4	8	42	36.82	73	45.4	9/26/1995	9:11	0.3	18.2	8.2	214
1995	8	148	6	4	3	42	41.41	73	42.584	9/26/1995	8:47	0.3	17.8	8.4	209

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1995	8	149	6	4	2	42	42	73	42.07	9/26/1995	8:39	0.3	17.8	9	212
1995	9	14	4	2	266	40	52.925	73	56.648	10/12/1995	11:16	0.3	20	6.8	18790
1995	9	15	4	2	264	40	53.57	73	56.32	10/12/1995	11:28	0.3	20.1	6.5	19081
1995	9	20	6	2	258	40	57.73	73	53.661	10/12/1995	10:51	0.3	20	7.2	15474
1995	9	23	6	2	254	41	1.086	73	52.681	10/12/1995	10:20	0.3	20	7.5	14258
1995	9	23	6	2	255	41	0.74	73	52.83	10/12/1995	10:31	0.3	20	7.6	14258
1995	9	24	6	2	252	41	2.057	73	52.505	10/12/1995	9:55	0.3	19.6	7.5	13934
1995	9	24	6	2	253	41	1.169	73	52.711	10/12/1995	10:06	0.3	20	7.4	14037
1995	9	25	4	2	250	41	2.86	73	55.07	10/12/1995	12:21	0.3	20	8.6	14590
1995	9	25	4	2	270	41	2.783	73	55.05	10/12/1995	12:10	0.3	19.8	8.1	15540
1995	9	25	6	2	251	41	2.46	73	52.42	10/12/1995	9:43	0.3	19.6	7.3	14379
1995	9	26	4	2	246	41	3.6	73	55.2	10/12/1995	12:48	0.3	19.7	8.2	14794
1995	9	26	4	2	271	41	3.77	73	55.22	10/12/1995	12:54	0.3	20.1	8.2	14448
1995	9	26	4	2	283	41	8.34	73	54.4	10/12/1995	12:34	0.3	19.9	8	14399
1995	9	26	6	2	247	41	3.891	73	52.077	10/12/1995	9:14	0.3	19	7.3	14000
1995	9	26	6	2	248	41	3.273	73	52.221	10/12/1995	9:27	0.3	19.5	7.5	25581
1995	9	26	6	2	249	41	2.67	73	52.3	10/12/1995	9:32	0.3	19.6	7.5	25526
1995	9	27	4	2	245	41	4.19	73	55.21	10/12/1995	13:10	0.3	20.1	8.8	14338
1995	9	27	4	2	272	41	4.49	73	55.14	10/12/1995	13:22	0.3	20	8.6	14147
1995	9	28	6	2	243	41	5.683	73	52.214	10/12/1995	8:55	0.3	19	7.5	13322
1995	9	28	6	2	244	41	5.33	73	52.33	10/12/1995	9:04	0.3	19.1	7.5	13407
1995	9	29	4	2	242	41	6.1	73	54.88	10/12/1995	13:36	0.3	20	8	13263
1995	9	30	4	2	241	41	7.14	73	54.77	10/12/1995	13:50	0.3	20.5	8.5	12577
1995	9	31	4	2	285	41	3.607	73	55.196	10/12/1995	14:05	0.3	20.4	8.2	12932
1995	9	32	4	2	239	41	8.81	73	54.6	10/12/1995	14:30	0.3	20	8	12711
1995	9	32	4	2	240	41	8.48	73	54.42	10/12/1995	14:15	0.3	20.1	8.1	13015
1995	9	32	6	2	237	41	9.274	73	52.181	10/12/1995	8:26	0.3	19.5	7.2	12064
1995	9	32	6	2	238	41	8.85	73	52.123	10/12/1995	8:39	0.3	19.5	7.5	12064
1995	9	32	6	4	269	41	9.445	73	52.243	10/12/1995	8:15	0.3	19.5	7	12064
1995	9	33	6	4	236	41	9.79	73	52.202	10/12/1995	7:59	0.3	18.5	6.9	11982
1995	9	34	6	2	234	41	10.19	73	53.93	10/9/1995	14:15	0.3	21.1		12203
1995	9	35	4	2	229	41	10.59	73	56.41	10/9/1995	13:52	0.3	21	7.8	10606
1995	9	35	4	2	277	41	10.95	73	57.06	10/9/1995	13:35	0.3	21.4	7.9	10195
1995	9	35	6	2	231	41	11.23	73	53.69	10/9/1995	14:55	0.3	21.6	8.1	14962
1995	9	35	6	2	232	41	11.172	73	53.996	10/9/1995	14:40	0.3	21.7	8.2	15144
1995	9	35	6	2	275	41	11.31	73	53.54	10/9/1995	15:18	0.3	21.8	8	14793
1995	9	36	4	2	227	41	11.02	73	57.41	10/9/1995	13:18	0.3	21.1		10152
1995	9	36	4	2	281	41	11.13	73	57.16	10/9/1995	12:50	0.3	21.7	7.9	10451
1995	9	36	4	2	282	41	11.2	73	57.17	10/9/1995	13:05	0.3	21.4	7.6	9981
1995	9	38	4	2	221	41	13.43	73	57.79	10/9/1995	11:30	0.3	21.5	7.6	9424
1995	9	38	4	2	222	41	12.979	73	57.867	10/9/1995	12:30	0.3	21.2		9268
1995	9	38	4	2	278	41	12.96	73	57.828	10/9/1995	12:15	0.3	20.8	7.3	9129
1995	9	38	4	2	279	41	13.36	73	57.82	10/9/1995	11:59	0.3	21	7.7	9199

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1995	9	38	4	2	280	41	13.4	73	57.81	10/9/1995	11:46	0.3	21.1		9288
1995	9	39	4	4	215	41	13.62	73	58.34	10/11/1995	17:07	0.3		9.1	
1995	9	40	6	4	213	41	14.64	73	57.15	10/11/1995	16:52	0.3	21.3	10.1	9786
1995	9	43	6	4	204	41	16.693	73	56.484	10/11/1995	16:20	0.3	21.5	9.5	6961
1995	9	46	4	4	198	41	19.7	73	59	10/11/1995	15:46	0.3	20.5	9.5	7874
1995	9	46	6	4	199	41	19.42	73	58.77	10/11/1995	16:00	0.3	21	9	7359
1995	9	49	4	4	196	41	21.16	73	57.74	10/11/1995	15:26	0.3	20.1	8.6	6397
1995	9	52	6	4	193	41	24.12	73	57.31	10/11/1995	14:49	0.3	20.5	8.5	6015
1995	9	52	6	4	194	41	24.12	73	56.81	10/11/1995	15:04	0.3	20.5	8.4	5796
1995	9	53	6	4	191	41	24.882	73	57.554	10/11/1995	14:36	0.3	20.1	8.8	4577
1995	9	55	6	4	189	41	25.66	73	58.14	10/11/1995	14:21	0.3	20.5	9.5	4047
1995	9	56	4	2	188	41	26.47	73	59.66	10/11/1995	14:05	0.3	20	9.2	3670
1995	9	57	4	2	185	41	27.68	74	0.73	10/11/1995	13:43	0.3	18.5	9	2168
1995	9	57	4	2	186	41	27.28	74	0.8	10/11/1995	13:50	0.3	19.8	9.8	2131
1995	9	58	4	2	183	41	28.02	74	0.87	10/11/1995	13:27	0.3	20	9.5	3006
1995	9	59	6	2	178	41	29.25	73	59.32	10/11/1995	13:10	0.3	19.5	9.1	3072
1995	9	60	6	2	176	41	29.57	73	59.06	10/11/1995	12:54	0.3	19.5	9	3050
1995	9	62	4	2	171	41	32.19	73	59.91	10/11/1995	12:34	0.3	20	9	1481
1995	9	66	4	2	160	41	34.777	73	57.753	10/11/1995	11:59	0.3	20	9.1	984
1995	9	69	6	2	158	41	36.94	73	56.81	10/11/1995	11:35	0.3	19	10	790
1995	9	72	6	2	152	41	39.77	73	56.55	10/11/1995	11:20	0.3	19.1	9.2	462
1995	9	74	6	2	148	41	41.15	73	56.31	10/11/1995	10:58	0.3	19	9.8	395
1995	9	77	6	4	141	41	44.46	73	56.21	10/11/1995	10:04	0.3	18.5	9.5	286
1995	9	80	6	4	137	41	46.14	73	56.82	10/11/1995	9:44	0.3	18.2	9.6	273
1995	9	83	4	4	131	41	49.33	73	57.31	10/11/1995	9:16	0.3	17.8	9.3	276
1995	9	84	4	4	129	41	50.61	73	57.28	10/11/1995	8:54	0.3	17.5	9.5	278
1995	9	85	4	4	128					10/11/1995	8:26	0.3	17	9.7	276
1995	9	87	4	4	123	41	52.616	73	57.292	10/10/1995	17:16	0.3	18	9	283
1995	9	89	6	4	121	41	53.84	73	57.04	10/10/1995	17:04	0.3	18.2	8.7	270
1995	9	91	6	2	119	41	55.847	73	56.774	10/10/1995	16:48	0.3	17.9	8.9	272
1995	9	92	4	2	118	41	56.32	73	58.1	10/10/1995	16:35	0.3	18.5	9.1	285
1995	9	93	4	2	116	41	57.05	73	57.77	10/10/1995	16:22	0.3	17.9	9.1	276
1995	9	94	4	2	113	41	58.38	73	57.25	10/10/1995	16:04	0.3	18	9	265
1995	9	96	4	2	105	42	0.22	73	56.65	10/10/1995	15:30	0.3	18	8.7	257
1995	9	96	4	2	108	41	59.76	73	56.81	10/10/1995	15:40	0.3	18.2	8.6	258
1995	9	96	4	2	110	41	59.4	73	56.94	10/10/1995	15:52	0.3	17.8	8.8	264
1995	9	97	4	2	102	42	0.83	73	56.38	10/10/1995	15:14	0.3	18.2	8.9	253
1995	9	97	4	2	103	42	0.5	73	56.51	10/10/1995	15:24	0.3	18	9	254
1995	9	98	4	2	100	42	1.67	73	56.54	10/10/1995	15:02	0.3	17.8	9	249
1995	9	105	4	2	98	42	7.33	73	55.3	10/10/1995	14:32	0.3	18	8.9	242
1995	9	106	4	2	96	42	8.147	73	54.796	10/10/1995	14:25	0.3	18.5	9	253
1995	9	111	6	2	89					10/10/1995	13:44	0.3	19	8.9	243
1995	9	113	4	2	86	42	13.12	73	51.33	10/10/1995	13:28	0.3	18	9	241

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1995	9	114	4	2	83	42	14.26	73	50.71	10/10/1995	12:49	0.3	18	9	245
1995	9	114	6	2	84	42	14.02	73	50.18	10/10/1995	13:05	0.3	18.1	9.1	239
1995	9	118	4	2	75	42	16.12	73	47.49	10/10/1995	12:23	0.3	18.8	9	244
1995	9	119	6	4	69	42	17.29	73	46.78	10/10/1995	12:09	0.3	17.2	8.9	246
1995	9	121	4	4	65	42	19.307	73	47.217	10/10/1995	11:53	0.3	17.3	8.7	232
1995	9	122	6	4	64	42	19.9	73	46.8	10/10/1995	11:42	0.3	16.1	8.8	244
1995	9	123	4	4	60	42	20.64	73	47.39	10/10/1995	11:28	0.3	15.8	8.8	243
1995	9	124	6	4	57	42	21.28	73	47.32	10/10/1995	11:13	0.3	16.5	8.8	238
1995	9	128	6	4	43	42	25.02	73	46.62	10/10/1995	10:41	0.3	15.5	8.9	242
1995	9	139	4	4	18	42	34.14	73	45.24	10/10/1995	10:00	0.3	16	8.9	233
1995	9	139	4	4	19	42	34.03	73	45.26	10/10/1995	10:09	0.3	16.1	8.9	232
1995	9	140	4	4	13	42	34.59	73	45.25	10/10/1995	9:52	0.3	15.8	8.7	237
1995	9	143	4	4	6	42	38.03	73	45.23	10/10/1995	9:17	0.3	15.7	8.9	267
1995	9	143	6	4	7	42	37.48	73	45.14	10/10/1995	9:37	0.3	15.7	8.6	240
1995	9	148	6	4	3	42	41.41	73	42.584	10/10/1995	8:55	0.3	15.5	8.3	258
1995	10	18	4	4	260	40	56.889	73	55.1	10/23/1995	13:08	0.3	18	8.5	13957
1995	10	19	6	2	259	40	57.735	73	53.561	10/23/1995	12:48	0.3	18	8.7	12804
1995	10	20	6	2	258	40	57.73	73	53.661	10/23/1995	12:23	0.3	18	8.6	12689
1995	10	21	6	2	257	40	59.13	73	53.13	10/23/1995	12:10	0.3	17.8	8.9	12744
1995	10	23	6	2	254	41	1.086	73	52.681	10/23/1995	11:50	0.3	17.2	8.4	11033
1995	10	25	4	2	250	41	2.86	73	55.07	10/23/1995	11:09	0.3	17	9	10256
1995	10	25	4	2	270	41	2.783	73	55.05	10/23/1995	11:26	0.3	17.2	9.1	10211
1995	10	25	4	2	270	41	2.783	73	55.05	10/26/1995	11:29	0.3	16.5	8.7	6078
1995	10	25	4	2	284	41	2.57	73	54.94	10/26/1995	11:44	0.3	16.8	8.6	6038
1995	10	25	6	2	251	41	2.46	73	52.42	10/26/1995	12:03	0.3	17.1	8.7	5175
1995	10	26	4	2	246	41	3.6	73	55.2	10/23/1995	10:45	0.3	17.1	8.9	9998
1995	10	26	4	2	271	41	3.77	73	55.22	10/23/1995	10:32	0.3	17	8.5	10256
1995	10	26	4	2	283	41	8.34	73	54.4	10/23/1995	10:56	0.3	16.9	9.2	10396
1995	10	26	4	2	246	41	3.6	73	55.2	10/26/1995	11:13	0.3	16	8.7	6145
1995	10	27	4	2	272	41	4.49	73	55.14	10/23/1995	10:17	0.3	17.5	8.3	9328
1995	10	27	4	2	245	41	4.19	73	55.21	10/26/1995	10:50	0.3	15.9	9.1	5821
1995	10	28	6	4	243	41	5.683	73	52.214	10/23/1995	14:09	0.3	17.7	9	7314
1995	10	28	6	4	244	41	5.33	73	52.33	10/23/1995	13:55	0.3	17.8	8.9	7530
1995	10	28	6	2	243	41	5.683	73	52.214	10/26/1995	12:51	0.3	16.4	8.9	4085
1995	10	28	6	2	244	41	5.33	73	52.33	10/26/1995	12:28	0.3	16.5	9	4159
1995	10	30	4	2	241	41	7.14	73	54.77	10/23/1995	10:05	0.3	17.2	8.4	9155
1995	10	31	4	2	285	41	3.607	73	55.196	10/26/1995	10:26	0.3	16.8	8.5	2960
1995	10	32	4	2	239	41	8.81	73	54.6	10/23/1995	9:33	0.3	17.9	7.8	7514
1995	10	32	4	2	240	41	8.48	73	54.42	10/23/1995	9:44	0.3	18	7.8	7613
1995	10	32	6	4	238	41	8.85	73	52.123	10/23/1995	14:35	0.3	19.5	9	4971
1995	10	32	6	2	237	41	9.274	73	52.181	10/26/1995	13:28	0.3	16.8	8.8	3291
1995	10	32	6	2	238	41	8.85	73	52.123	10/26/1995	13:11	0.3	17	9.2	3360
1995	10	32	6	2	269	41	9.445	73	52.243	10/26/1995	13:44	0.3	17.2	9	3192

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1995	10	33	6	2	236	41	9.79	73	52.202	10/26/1995	13:55	0.3	17.3	9.1	3162
1995	10	35	4	2	229	41	10.59	73	56.41	10/26/1995	9:55	0.3	16.5	8.6	1490
1995	10	35	4	2	230	41	10.59	73	56.39	10/26/1995	10:05	0.3	16.4	8.5	1541
1995	10	35	4	2	277	41	10.95	73	57.06	10/26/1995	9:41	0.3	16.4	8.5	1612
1995	10	35	6	2	231	41	11.23	73	53.69	10/26/1995	14:50	0.3	16.8	9.2	2628
1995	10	35	6	2	232	41	11.172	73	53.996	10/26/1995	14:23	0.3	16.8	9.2	2427
1995	10	35	6	2	274	41	11.17	73	53.71	10/26/1995	14:33	0.3	16.6	9.3	2438
1995	10	36	4	2	227	41	11.02	73	57.41	10/26/1995	9:32	0.3	16.7	8.3	1543
1995	10	36	4	2	281	41	11.13	73	57.16	10/26/1995	9:16	0.3	16.2	8.6	1644
1995	10	36	4	2	282	41	11.2	73	57.17	10/26/1995	9:07	0.3	16.6	8.5	1617
1995	10	36	6	2	228	41	12.25	73	53.5	10/26/1995	15:04	0.3	18	9.2	2007
1995	10	37	4	2	225	41	12.096	73	57.458	10/26/1995	8:54	0.3	17	8.3	1179
1995	10	38	4	2	221	41	13.43	73	57.79	10/26/1995	15:45	0.3	17.2	9.1	1103
1995	10	38	4	2	222	41	12.979	73	57.867	10/26/1995	15:27	0.3	17.7	8.8	1068
1995	10	38	4	2	279	41	13.36	73	57.82	10/26/1995	15:36	0.3	17.5	8.9	1084
1995	10	40	6	4	210	41	14.87	73	57.74	10/26/1995	8:23	0.3	16.6	8.5	821
1995	10	42	4	1	206	41	16.412	73	58.1	10/26/1995	8:00	0.3	16.8	8.4	555
1995	10	43	6	4	205	41	16.413	73	56.551	10/25/1995	17:05	0.3	15.8	9.4	726
1995	10	46	4	4	198	41	19.7	73	59	10/25/1995	16:24	0.3	16.9	8.3	482
1995	10	46	6	4	199	41	19.42	73	58.77	10/25/1995	16:43	0.3	16.6	8.6	535
1995	10	51	6	4	195	41	22.87	73	50.61	10/25/1995	16:00	0.3	16.6	8.8	333
1995	10	52	6	3	194	41	24.12	73	56.81	10/25/1995	15:41	0.3	16.7	8.8	336
1995	10	53	4	2	192	41	24.19	73	57.95	10/25/1995	15:23	0.3	15.2	9.2	330
1995	10	53	6	2	191	41	24.882	73	57.554	10/25/1995	15:02	0.3	16	9	300
1995	10	55	6	2	189	41	25.66	73	58.14	10/25/1995	14:49	0.3	16.8	9	296
1995	10	59	6	2	178	41	29.25	73	59.32	10/25/1995	14:06	0.3	15.1	9.2	332
1995	10	59	6	2	179	41	29.24	73	59.34	10/25/1995	14:18	0.3	15	9.1	335
1995	10	59	6	2	181	41	29.04	73	59.33	10/25/1995	14:28	0.3	15.8	9.2	339
1995	10	60	6	2	176	41	29.57	73	59.06	10/25/1995	13:55	0.3	15.2	9.2	335
1995	10	61	4	2	174	41	31.15	74	0.37	10/25/1995	13:15	0.3	16.2	9.2	263
1995	10	61	6	2	175	41	30.57	73	59.13	10/25/1995	13:33	0.3	16.1	8.9	290
1995	10	63	4	2	166					10/25/1995	12:47	0.3	16	8.9	255
1995	10	65	4	2	162	41	33.99	73	58.39	10/25/1995	12:26	0.3	16	9.5	255
1995	10	69	6	2	158	41	36.94	73	56.81	10/25/1995	12:03	0.3	14.8	9.6	261
1995	10	72	4	2	151	41	40.04	73	57.11	10/25/1995	11:39	0.3	15.3	9	242
1995	10	76	4	2	146	41	42.94	73	56.87	10/25/1995	11:19	0.3	14.5	9.2	255
1995	10	77	6	4	141	41	44.46	73	56.21	10/25/1995	10:40	0.3	14.8	9.2	235
1995	10	77	6	4	142	41	43.92	73	56.14	10/25/1995	10:58	0.3	14.7	9	242
1995	10	81	4	4	135	41	47.474	73	57.457	10/25/1995	10:19	0.3	14.5	8.7	237
1995	10	82	4	4	134	41	48.51	73	57.22	10/25/1995	9:55	0.3	14.2	9.1	241
1995	10	84	4	4	129	41	50.61	73	57.28	10/25/1995	9:36	0.3	14	8.9	242
1995	10	86	6	4	125	41	51.75	73	55.89	10/25/1995	9:13	0.3	13.8	8.9	247
1995	10	88	6	4	122	41	53.023	73	56.214	10/25/1995	8:38	0.3	13.1	8.5	256

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1995	10	89	6	4	121	41	53.84	73	57.04	10/25/1995	8:15	0.3	14.2	9	238
1995	10	90	6	4	120	41	54.02	73	57.2	10/25/1995	7:57	0.3	14.2	8.7	248
1995	10	93	4	2	116	41	57.05	73	57.77	10/24/1995	17:25	0.3	15	9.7	246
1995	10	94	4	2	113	41	58.38	73	57.25	10/24/1995	17:09	0.3	14.9	10.3	235
1995	10	96	4	2	105	42	0.22	73	56.65	10/24/1995	16:53	0.3	14.9	9.8	233
1995	10	97	4	2	102	42	0.83	73	56.38	10/24/1995	16:31	0.3	15	10.2	232
1995	10	97	4	2	103	42	0.5	73	56.51	10/24/1995	16:40	0.3	14.9	10.1	235
1995	10	98	4	2	100	42	1.67	73	56.54	10/24/1995	16:06	0.3	14.1	9.7	233
1995	10	98	4	2	101	42	1.426	73	56.456	10/24/1995	16:16	0.3	14	9.7	236
1995	10	99	6	2	99	42	2.02	73	55.73	10/24/1995	15:44	0.3	14.6	9.6	241
1995	10	105	4	2	98	42	7.33	73	55.3	10/24/1995	15:11	0.3	14.8	10	235
1995	10	106	4	2	96	42	8.147	73	54.796	10/24/1995	14:57	0.3	14	10.2	258
1995	10	113	6	2	87	42	13.32	73	50.85	10/24/1995	14:10	0.3	14.8	10.2	225
1995	10	114	4	2	82	42	14.31	73	50.58	10/24/1995	13:39	0.3	14.9	10.3	211
1995	10	114	4	2	83	42	14.26	73	50.71	10/24/1995	13:49	0.3	14	10.3	215
1995	10	116	6	2	77	42	15.02	73	48.31	10/24/1995	13:18	0.3	13.6	10.3	266
1995	10	119	4	2	72	42	16.82	73	47.28	10/24/1995	12:58	0.3	13.5	10.5	215
1995	10	119	6	2	71	42	17.16	73	46.8	10/24/1995	12:46	0.3	13.6	10.4	215
1995	10	121	6	2	67	42	18.82	73	46.89	10/24/1995	12:26	0.3	13.9	10.3	215
1995	10	122	4	2	63	42	19.84	73	47.18	10/24/1995	12:05	0.3	12.6	10.7	194
1995	10	122	6	2	64	42	19.9	73	46.8	10/24/1995	12:17	0.3	13.8	10.4	213
1995	10	123	4	4	60	42	20.64	73	47.39	10/24/1995	11:43	0.3	13.8	10.3	203
1995	10	130	4	4	37	42	26.76	73	47.22	10/24/1995	10:48	0.3	12.8	10.2	233
1995	10	132	4	4	32	42	28.13	73	47.21	10/24/1995	10:10	0.3	12	10.2	222
1995	10	134	4	4	27	42	30.17	73	46.88	10/24/1995	9:27	0.3	12.2	10.3	211
1995	10	134	4	4	28	42	30.027	73	46.913	10/24/1995	9:42	0.3	12.2	10.4	215
1995	10	138	4	4	23	42	33.14	73	45.46	10/24/1995	9:03	0.3	12	10.2	158
1995	10	140	4	4	10					10/24/1995	8:33	0.3	11.8	10.4	164
1995	10	140	4	4	12					10/24/1995	8:44	0.3	11.8	10.5	167
1996	1	15	4	4	263	40	54.252	73	55.961	6/20/1996	10:18	0.3	21.4	8.7	7298
1996	1	18	6	4	261	40	56.27	73	54.17	6/20/1996	10:33	0.3	21	8.4	8874
1996	1	20	6	4	258	40	57.73	73	53.661	6/20/1996	10:55	0.3	21.7	7.8	3989
1996	1	24	6	4	252	41	2.057	73	52.505	6/20/1996	11:15	0.3	22	8.3	3190
1996	1	26	4	4	246	41	3.6	73	55.2	6/20/1996	9:38	0.3	21.9	9.6	1646
1996	1	26	4	4	271	41	3.77	73	55.22	6/20/1996	9:27	0.3	21.1	9.7	1598
1996	1	26	4	4	283	41	8.34	73	54.4	6/20/1996	9:48	0.3	21.1	9.2	1706
1996	1	28	6	4	243	41	5.683	73	52.214	6/20/1996	11:29	0.3	21.5	8.1	2249
1996	1	30	4	4	241	41	7.14	73	54.77	6/20/1996	8:49	0.3	21.1	9.1	1663
1996	1	31	4	2	285	41	3.607	73	55.196	6/20/1996	8:35	0.3	21.9	8.3	1115
1996	1	32	4	4	239	41	8.81	73	54.6	6/20/1996	8:17	0.3	21.8	8.3	958
1996	1	32	6	2	237	41	9.274	73	52.181	6/20/1996	11:45	0.3	21.6	9.1	994
1996	1	32	6	2	269	41	9.445	73	52.243	6/20/1996	11:57	0.3	21.9	9	1381
1996	1	33	6	2	236	41	9.79	73	52.202	6/20/1996	12:08	0.3	21.8	8.9	1011

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1996	1	35	4	4	230	41	10.59	73	56.39	6/20/1996	8:00	0.3	21.9	8.1	850
1996	1	35	4	4	277	41	10.95	73	57.06	6/20/1996	7:48	0.3	21.9	8.1	850
1996	1	35	6	2	275	41	11.31	73	53.54	6/20/1996	12:25	0.3	21.8	9.8	426
1996	1	36	4	4	282	41	11.2	73	57.17	6/20/1996	7:35	0.3	21.3	8.5	1054
1996	1	38	4	4	221	41	13.43	73	57.79	6/20/1996	7:13	0.3	23.1	8.6	723
1996	1	38	4	4	223	41	12.89	73	57.806	6/20/1996	7:20	0.3	22	7.9	784
1996	1	38	4	4	278	41	12.96	73	57.828	6/20/1996	7:02	0.3	22.2	7.9	427
1996	1	39	4	4	215	41	13.62	73	58.34	6/20/1996	6:47	0.3	21.2	7.5	2748
1996	1	43	6	4	202	41	17.12	73	55.98	6/19/1996	17:06	0.3	22.3	7.7	263
1996	1	43	6	4	205	41	16.413	73	56.551	6/19/1996	17:21	0.3	21.5	6.6	482
1996	1	49	4	4	196	41	21.16	73	57.74	6/19/1996	16:43	0.3	21.9	8.2	319
1996	1	52	6	2	193	41	24.12	73	57.31	6/19/1996	16:26	0.3	22	7.8	265
1996	1	53	4	2	192	41	24.19	73	57.95	6/19/1996	16:14	0.3	22	8.7	297
1996	1	56	4	2	187	41	26.83	74	0.5	6/19/1996	15:53	0.3	22.2	8.4	317
1996	1	57	4	2	185	41	27.68	74	0.73	6/19/1996	15:42	0.3	21.3	8.4	237
1996	1	58	4	2	183	41	28.02	74	0.87	6/19/1996	15:32	0.3	21.3	8.5	258
1996	1	62	6	2	170	41	31.8	73	58.98	6/19/1996	15:12	0.3	22	8.3	249
1996	1	63	4	2	166					6/19/1996	14:55	0.3	22.8	7.9	245
1996	1	66	4	2	160	41	34.777	73	57.753	6/19/1996	14:36	0.3	23	7.3	218
1996	1	69	4	2	155	41	37.44	73	57.43	6/19/1996	14:00	0.3	7.2	7.3	297
1996	1	69	6	2	157	41	36.97	73	56.85	6/19/1996	14:14	0.3	20.6	8.4	502
1996	1	72	4	2	151	41	40.04	73	57.11	6/19/1996	13:40	0.3	22.3	7	211
1996	1	74	6	2	148	41	41.15	73	56.31	6/19/1996	13:22	0.3	23.2	7.7	236
1996	1	76	4	2	146	41	42.94	73	56.87	6/19/1996	13:06	0.3	22.7	6.9	245
1996	1	77	6	2	141	41	44.46	73	56.21	6/19/1996	12:46	0.3	23.3	6.8	237
1996	1	78	6	2	138	41	45.18	73	56.22	6/19/1996	12:03	0.3	22.9	7.9	211
1996	1	80	6	4	137	41	46.14	73	56.82	6/19/1996	11:48	0.3	23.3	6.9	211
1996	1	81	4	4	135	41	47.474	73	57.457	6/19/1996	11:29	0.3	23.3	7.5	217
1996	1	83	4	4	131	41	49.33	73	57.31	6/19/1996	10:56	0.3	23.1	7.5	218
1996	1	83	4	4	133	41	48.74	73	57.19	6/19/1996	11:11	0.3	23.3	7.6	217
1996	1	84	4	4	129	41	50.61	73	57.28	6/19/1996	10:44	0.3	23.3	7.2	220
1996	1	85	6	4	127	41	51.18	73	56.5	6/19/1996	10:31	0.3	23.4	7.2	221
1996	1	86	4	4	126	41	51.44	73	56.97	6/19/1996	10:19	0.3	22.5	7.2	218
1996	1	86	6	4	125	41	51.75	73	55.89	6/19/1996	10:07	0.3	23	7.1	218
1996	1	88	6	4	122	41	53.023	73	56.214	6/19/1996	9:47	0.3	23.1	7.2	335
1996	1	89	6	4	121	41	53.84	73	57.04	6/19/1996	9:33	0.3	23.3	7	229
1996	1	90	6	4	120	41	54.02	73	57.2	6/19/1996	9:20	0.3	23.2	6.3	228
1996	1	92	4	4	118	41	56.32	73	58.1	6/19/1996	7:52	0.3	23	7.4	249
1996	1	93	4	4	116	41	57.05	73	57.77	6/19/1996	8:05	0.3	23.3	7	238
1996	1	93	6	4	117	41	57.036	73	56.721	6/19/1996	9:02	0.3	23.4	6.9	232
1996	1	94	4	4	113	41	58.38	73	57.25	6/19/1996	8:20	0.3	23.4	7.4	236
1996	1	94	6	4	114	41	58.085	73	56.467	6/19/1996	8:47	0.3	23.2	6.7	240
1996	1	95	4	4	111	41	59.083	73	57.079	6/18/1996	17:52	0.3	23.8	7.8	231

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1996	1	95	6	4	112	41	58.238	73	56.123	6/18/1996	8:34	0.3	23.4	6.8	135
1996	1	96	4	2	105	42	0.22	73	56.65	6/18/1996	17:22	0.3	24	8	229
1996	1	96	4	2	108	41	59.76	73	56.81	6/18/1996	17:30	0.3	24	7.9	229
1996	1	96	4	2	110	41	59.4	73	56.94	6/18/1996	17:41	0.3	23.8	7.8	231
1996	1	96	6	4	109	41	59.43	73	56.012	6/18/1996	18:08	0.3	24.1	8.1	234
1996	1	97	4	2	102	42	0.83	73	56.38	6/18/1996	16:56	0.3	24.2	8.1	230
1996	1	97	4	2	103	42	0.5	73	56.51	6/18/1996	17:09	0.3	24.2	8	229
1996	1	98	4	2	100	42	1.67	73	56.54	6/18/1996	16:36	0.3	23.9	7.6	220
1996	1	98	4	2	101	42	1.426	73	56.456	6/18/1996	16:46	0.3	24	7.8	226
1996	1	99	6	2	99	42	2.02	73	55.73	6/18/1996	16:25	0.3	24.3	8.1	233
1996	1	105	4	2	97	42	7.68	73	55.13	6/18/1996	15:50	0.3	24	7.8	215
1996	1	105	4	2	98	42	7.33	73	55.3	6/18/1996	16:03	0.3	24	7.9	215
1996	1	108	6	2	94	42	9.56	73	53.18	6/18/1996	15:28	0.3	24.1	8.1	226
1996	1	109	6	2	93	42	9.91	73	52.81	6/18/1996	15:15	0.3	24.1	8.6	228
1996	1	112	4	2	88	42	12.69	73	51.26	6/18/1996	14:53	0.3	23.6	7.5	213
1996	1	113	4	2	86	42	13.12	73	51.33	6/18/1996	14:45	0.3	23.7	7.7	215
1996	1	113	6	2	87	42	13.32	73	50.85	6/18/1996	14:34	0.3	24.1	7.4	216
1996	1	114	4	2	83	42	14.26	73	50.71	6/18/1996	13:57	0.3	24.6	8.2	246
1996	1	114	6	2	84	42	14.02	73	50.18	6/18/1996	14:12	0.3	24	7.6	224
1996	1	114	6	2	85	42	13.54	73	50.75	6/18/1996	14:23	0.3	25.1	8.1	219
1996	1	115	6	2	79	42	14.8	73	49	6/18/1996	13:40	0.3	24	7.4	224
1996	1	116	6	2	77	42	15.02	73	48.31	6/18/1996	13:27	0.3	23.8	8.2	235
1996	1	117	4	2	76	42	15.84	73	47.69	6/18/1996	13:12	0.3	24.5	7.6	216
1996	1	118	4	2	75	42	16.12	73	47.49	6/18/1996	12:55	0.3	24.3	7.8	239
1996	1	119	4	2	72	42	16.82	73	47.28	6/18/1996	12:46	0.3	24.1	7.8	216
1996	1	119	6	2	71	42	17.16	73	46.8	6/18/1996	12:34	0.3	24.8	8.2	221
1996	1	121	6	2	66	42	19.33	73	46.85	6/18/1996	12:09	0.3	23.5	8	217
1996	1	121	6	2	67	42	18.82	73	46.89	6/18/1996	12:14	0.3	23.9	8.2	216
1996	1	122	4	2	63	42	19.84	73	47.18	6/18/1996	11:56	0.3	23.8	8.3	216
1996	1	122	6	2	62	42	20.105	73	46.848	6/18/1996	11:48	0.3	23.6	7.8	218
1996	1	123	4	4	60	42	20.64	73	47.39	6/18/1996	11:30	0.3	23.5	7.9	216
1996	1	125	4	4	51	42	22.87	73	47.8	6/18/1996	10:27	0.3	23.5	8.4	212
1996	1	125	4	4	53	42	22.27	73	47.62	6/18/1996	10:53	0.3	23.4	8.4	222
1996	1	125	6	4	52	42	22.39	73	47.45	6/18/1996	10:37	0.3	23.6	7.6	223
1996	1	125	6	4	54	42	22.034	73	47.302	6/18/1996	11:03	0.3	23.7	7.9	221
1996	1	128	4	4	44	42	25	73	46.99	6/18/1996	10:16	0.3	23.5	8.5	210
1996	1	129	6	4	42	42	25.226	73	46.523	6/18/1996	10:02	0.3	23.5	8.3	226
1996	1	131	4	4	33	42	28.06	73	47.13	6/18/1996	9:47	0.3	23.3	8.6	216
1996	1	139	4	4	18	42	34.14	73	45.24	6/18/1996	9:05	0.3	23.7	8.7	200
1996	1	139	4	4	19	42	34.03	73	45.26	6/18/1996	9:13	0.3	23.6	8.6	204
1996	1	139	6	4	17	42	34.22	73	45.02	6/18/1996	8:55	0.3	23.6	7.9	198
1996	1	140	4	4	10					6/18/1996	8:31	0.3	23.6	8.5	200
1996	1	140	6	4	11					6/18/1996	8:40	0.3	22.6	8.2	220

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1996	2	16	4	2	262	40	54.9	73	55.7	7/3/1996	11:12	0.3	24	7.5	18302
1996	2	18	6	2	261	40	56.27	73	54.17	7/3/1996	11:25	0.3	23.5	8	19006
1996	2	20	6	2	258	40	57.73	73	53.661	7/3/1996	11:47	0.3	24.2		13974
1996	2	24	6	2	252	41	2.057	73	52.505	7/3/1996	12:15	0.3	24.5	8.2	20128
1996	2	24	6	2	253	41	1.169	73	52.711	7/3/1996	12:08	0.3	24.1	9.5	13191
1996	2	26	4	2	246	41	3.6	73	55.2	7/3/1996	9:35	0.3	25	10.2	11953
1996	2	26	4	2	271	41	3.77	73	55.22	7/3/1996	9:24	0.3	25	10.2	10957
1996	2	28	6	2	244	41	5.33	73	52.33	7/3/1996	12:43	0.3	25	10.5	14942
1996	2	30	4	4	241	41	7.14	73	54.77	7/2/1996	9:05	0.3	23.5	10.1	8732
1996	2	32	4	4	239	41	8.81	73	54.6	7/3/1996	8:35	0.3	25	8.8	7969
1996	2	32	4	4	240	41	8.48	73	54.42	7/3/1996	8:51	0.3	25	9.5	8666
1996	2	32	6	2	237	41	9.274	73	52.181	7/3/1996	13:03	0.3	25	10.6	7969
1996	2	32	6	2	269	41	9.445	73	52.243	7/3/1996	13:18	0.3	25	10.5	7172
1996	2	33	6	2	236	41	9.79	73	52.202	7/3/1996	13:29	0.3	25.1	10.3	7953
1996	2	34	6	2	234	41	10.19	73	53.93	7/3/1996	13:45	0.3	26.1	10.5	7012
1996	2	35	4	4	230	41	10.59	73	56.39	7/3/1996	8:17	0.3	25.3	8.3	7920
1996	2	35	4	4	277	41	10.95	73	57.06	7/3/1996	8:00	0.3	25	7.9	7272
1996	2	35	6	2	274	41	11.17	73	53.71	7/3/1996	14:00	0.3	26.1	11	6818
1996	2	35	6	2	275	41	11.31	73	53.54	7/3/1996	14:14	0.3	25.6	10.3	6888
1996	2	38	4	4	221	41	13.43	73	57.79	7/3/1996	7:31	0.3	25.5	7.9	6212
1996	2	38	4	4	222	41	12.979	73	57.867	7/3/1996	7:41	0.3	25.5	7.8	6212
1996	2	39	4	4	215	41	13.62	73	58.34	7/3/1996	7:16	0.3	26	7.9	5368
1996	2	40	6	2	210	41	14.87	73	57.74	7/3/1996	14:40	0.3	25.9	9	499
1996	2	42	4	4	206	41	16.412	73	58.1	7/3/1996	14:53	0.3	26.1	9.5	433
1996	2	49	4	4	196	41	21.16	73	57.74	7/2/1996	20:00	0.3	22.2	8.3	1266
1996	2	52	6	4	194	41	24.12	73	56.81	7/2/1996	19:38	0.3	22.8	8	1199
1996	2	55	6	4	189	41	25.66	73	58.14	7/2/1996	19:18	0.3	22.2	8	844
1996	2	56	4	4	188	41	26.47	73	59.66	7/2/1996	18:57	0.3		8.3	
1996	2	57	4	4	186	41	27.28	74	0.8	7/2/1996	18:43	0.3	24.5	7.8	362
1996	2	58	4	4	184	41	27.78	74	0.7	7/2/1996	18:26	0.3	24.8	8.3	355
1996	2	62	4	4	171	41	32.19	73	59.91	7/2/1996	17:46	0.3	23.8	7.9	240
1996	2	62	4	4	173	41	31.59	74	0.28	7/2/1996	17:57	0.3	23.5	7.9	149
1996	2	62	6	4	170	41	31.8	73	58.98	7/2/1996	17:33	0.3	24.8	8	240
1996	2	63	6	4	168	41	32.3	73	58.633	7/2/1996	17:23	0.3	24.5	8.5	242
1996	2	64	4	4	164	41	33.37	73	59.18	7/2/1996	17:11	0.3	24.9	8.9	220
1996	2	69	6	4	156	41	37.03	73	56.88	7/2/1996	16:39	0.3	24	8.2	219
1996	2	69	6	4	158	41	36.94	73	56.81	7/2/1996	16:53	0.3	24.9	9.2	284
1996	2	72	4	4	151	41	40.04	73	57.11	7/2/1996	16:16	0.3	24	8	229
1996	2	77	6	2	140	41	44.56	73	56.17	7/2/1996	15:43	0.3	25	8.9	217
1996	2	77	6	2	141	41	44.46	73	56.21	7/2/1996	15:53	0.3	25	8.1	214
1996	2	78	6	2	138	41	45.18	73	56.22	7/2/1996	15:21	0.3	25	7.9	214
1996	2	80	6	2	137	41	46.14	73	56.82	7/2/1996	15:09	0.3	24.9	8.5	215
1996	2	81	4	2	135	41	47.474	73	57.457	7/2/1996	14:48	0.3	25	8	211

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1996	2	83	4	2	131	41	49.33	73	57.31	7/2/1996	14:20	0.3	25.1	7.9	204
1996	2	83	4	2	133	41	48.74	73	57.19	7/2/1996	14:33	0.3	24.1	8.2	208
1996	2	84	6	2	130	41	50.19	73	56.63	7/2/1996	14:03	0.3	25	8.5	204
1996	2	86	4	2	126	41	51.44	73	56.97	7/2/1996	13:48	0.3	25	9.1	207
1996	2	86	6	2	125	41	51.75	73	55.89	7/2/1996	13:35	0.3	25.3	8.1	208
1996	2	88	6	2	122	41	53.023	73	56.214	7/2/1996	13:21	0.3	26	9.2	210
1996	2	89	6	2	121	41	53.84	73	57.04	7/2/1996	13:07	0.3	25.1	8	204
1996	2	90	6	2	120	41	54.02	73	57.2	7/2/1996	12:53	0.3	25	8.9	204
1996	2	92	4	4	118	41	56.32	73	58.1	7/2/1996	7:27	0.3	22.3	7.8	248
1996	2	93	4	4	116	41	57.05	73	57.77	7/2/1996	7:48	0.3	22.4	7.9	210
1996	2	93	6	2	117	41	57.036	73	56.721	7/2/1996	12:11	0.3	24.8	9.5	210
1996	2	94	4	4	113	41	58.38	73	57.25	7/2/1996	8:25	0.3	23	8	202
1996	2	94	4	4	115	41	57.78	73	57.47	7/2/1996	8:06	0.3	22.9	8.9	206
1996	2	94	6	2	114	41	58.085	73	56.467	7/2/1996	11:51	0.3	25	9.2	204
1996	2	95	4	4	111	41	59.083	73	57.079	7/2/1996	8:49	0.3	23	7.9	197
1996	2	95	6	2	112	41	58.238	73	56.123	7/2/1996	11:35	0.3	23.9	8.2	204
1996	2	96	4	4	105	42	0.22	73	56.65	7/2/1996	9:36	0.3	23.5	8	190
1996	2	96	4	4	108	41	59.76	73	56.81	7/2/1996	9:26	0.3	23.5	9.2	198
1996	2	96	4	4	110	41	59.4	73	56.94	7/2/1996	9:08	0.3	23	8	202
1996	2	97	4	4	102	42	0.83	73	56.38	7/2/1996	10:18	0.3	23.3	8.4	191
1996	2	97	4	4	103	42	0.5	73	56.51	7/2/1996	9:57	0.3	23.5	8.5	200
1996	2	98	4	4	100	42	1.67	73	56.54	7/2/1996	11:01	0.3	23.4	9.2	188
1996	2	98	4	4	101	42	1.426	73	56.456	7/2/1996	10:43	0.3	23.1	9	194
1996	2	99	6	4	99	42	2.02	73	55.73	7/1/1996	19:45	0.3	23.8	8	192
1996	2	105	4	4	97	42	7.68	73	55.13	7/1/1996	19:05	0.3	23	8.7	196
1996	2	105	4	4	98	42	7.33	73	55.3	7/1/1996	19:18	0.3	22.9	8.8	192
1996	2	109	6	4	92	42	10.27	73	52.32	7/1/1996	18:46	0.3	24	10.5	289
1996	2	111	6	4	89					7/1/1996	17:55	0.3	23.9		202
1996	2	114	4	4	82	42	14.31	73	50.58	7/1/1996	16:57	0.3	23	8.4	197
1996	2	114	4	2	83	42	14.26	73	50.71	7/1/1996	17:11	0.3	23.5	8	195
1996	2	114	6	4	84	42	14.02	73	50.18	7/1/1996	17:29	0.3	24	8.7	193
1996	2	114	6	4	85	42	13.54	73	50.75	7/1/1996	17:35	0.3	23	8.7	197
1996	2	115	6	2	79	42	14.8	73	49	7/1/1996	16:44	0.3	23.5	9	200
1996	2	116	6	2	77	42	15.02	73	48.31	7/1/1996	16:28	0.3	23.5	8.7	204
1996	2	118	4	2	75	42	16.12	73	47.49	7/1/1996	15:14	0.3	23	8.2	202
1996	2	119	4	2	70	42	17.317	73	47.373	7/1/1996	15:48	0.3	23.5	8.4	204
1996	2	119	4	2	72	42	16.82	73	47.28	7/1/1996	16:02	0.3	24.5	9.2	201
1996	2	119	6	2	69	42	17.29	73	46.78	7/1/1996	15:36	0.3	24.5	8	202
1996	2	121	4	2	65	42	19.307	73	47.217	7/1/1996	14:53	0.3	23.5	9	196
1996	2	121	6	2	66	42	19.33	73	46.85	7/1/1996	15:05	0.3	23.5	8.3	198
1996	2	121	6	2	67	42	18.82	73	46.89	7/1/1996	15:17	0.3	23.9	8.9	196
1996	2	122	4	2	61	42	20.29	73	47.24	7/1/1996	14:20	0.3	24	8.3	197
1996	2	122	6	2	62	42	20.105	73	46.848	7/1/1996	14:39	0.3	24.3	9	202

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1996	2	123	4	2	60	42	20.64	73	47.39	7/1/1996	14:05	0.3	23	8.4	197
1996	2	124	4	2	55	42	21.64	73	47.62	7/1/1996	13:46	0.3	24.9	8.9	198
1996	2	128	4	2	44	42	25	73	46.99	7/1/1996	12:50	0.3	25	9.2	189
1996	2	128	6	2	45					7/1/1996	13:21	0.3	26.5	10	184
1996	2	129	6	2	42	42	25.226	73	46.523	7/1/1996	12:33	0.3	25	9.2	193
1996	2	132	4	2	32	42	28.13	73	47.21	7/1/1996	12:11	0.3	23.6	8.5	210
1996	2	133	4	4	29	42	29.09	73	47.273	7/1/1996	11:56	0.3	24.1	8.9	213
1996	2	140	4	4	10					7/1/1996	11:13	0.3	24.5	8.8	206
1996	2	140	4	4	13	42	34.59	73	45.25	7/1/1996	11:29	0.3	25	8.9	202
1996	2	142	6	4	8	42	36.82	73	45.4	7/1/1996	10:33	0.3	22.9	8.9	206
1996	2	145	6	4	4	42	39.51	73	44.09	7/1/1996	9:48	0.3	21.9	8.6	191
1996	2	145	6	4	5	42	39.19	73	44.41	7/1/1996	10:04	0.3	22	8.6	191
1996	2	148	6	4	3	42	41.41	73	42.584	7/1/1996	9:33	0.3	21.5	9.4	184
1996	2	149	6	4	2	42	42	73	42.07	7/1/1996	9:17	0.3	21.2	9.4	185
1996	3	18	4	4	260	40	56.889	73	55.1	7/18/1996	7:50	0.3	25	10.8	1494
1996	3	19	6	4	259	40	57.735	73	53.561	7/18/1996	8:03	0.3	24.8	10.5	1420
1996	3	23	6	4	254	41	1.086	73	52.681	7/18/1996	8:20	0.3	25.4	11	741
1996	3	24	6	4	253	41	1.169	73	52.711	7/18/1996	8:30	0.3	25	11.5	777
1996	3	25	6	2	251	41	2.46	73	52.42	7/18/1996	8:38	0.3	25.8	11.8	686
1996	3	26	6	2	247	41	3.891	73	52.077	7/18/1996	9:07	0.3	26	11.9	732
1996	3	26	6	2	249	41	2.67	73	52.3	7/18/1996	8:55	0.3	26	11.8	732
1996	3	27	4	4	245	41	4.19	73	55.21	7/18/1996	7:25	0.3	25.5	11.5	1824
1996	3	28	6	2	243	41	5.683	73	52.214	7/18/1996	9:18	0.3	26	11.8	781
1996	3	29	4	4	242	41	6.1	73	54.88	7/18/1996	7:15	0.3	26.5	11.8	1208
1996	3	30	4	4	241	41	7.14	73	54.77	7/18/1996	7:00	0.3	26.5	11.8	1159
1996	3	31	4	4	285	41	3.607	73	55.196	7/18/1996	6:50	0.3	24.8	10.5	580
1996	3	32	4	4	240	41	8.48	73	54.42	7/18/1996	6:45	0.3	24.5	10.5	554
1996	3	32	6	2	269	41	9.445	73	52.243	7/18/1996	9:34	0.3	27	10.8	755
1996	3	35	4	4	230	41	10.59	73	56.39	7/17/1996	18:08	0.3	26.5	9.2	285
1996	3	35	6	2	232	41	11.172	73	53.996	7/18/1996	9:52	0.3	27	12.2	775
1996	3	35	6	2	274	41	11.17	73	53.71	7/18/1996	10:03	0.3	27	12.2	764
1996	3	35	6	2	275	41	11.31	73	53.54	7/18/1996	10:10	0.3	26.9	12	767
1996	3	36	4	4	282	41	11.2	73	57.17	7/17/1996	17:54	0.3	25	8.5	322
1996	3	38	4	4	222	41	12.979	73	57.867	7/17/1996	17:32	0.3	25	8.5	309
1996	3	38	4	4	223	41	12.89	73	57.806	7/17/1996	17:39	0.3	24.9	8.6	299
1996	3	40	4	3	209	41	14.97	73	58	7/15/1996	9:45	0.3	24.1	9.9	391
1996	3	40	4	2	214	41	14.31	73	58.5	7/15/1996	8:51	0.3	25	11	986
1996	3	40	6	2	213	41	14.64	73	57.15	7/15/1996	9:18	0.3	25	9.5	996
1996	3	49	4	2	196	41	21.16	73	57.74	7/15/1996	10:21	0.3	24	10.5	284
1996	3	52	6	2	194	41	24.12	73	56.81	7/15/1996	10:46	0.3	25.5	11	229
1996	3	53	6	2	191	41	24.882	73	57.554	7/15/1996	11:06	0.3	24.8	11	245
1996	3	56	4	4	188	41	26.47	73	59.66	7/17/1996	16:43	0.3	25.1	8.3	234
1996	3	59	6	4	181	41	29.04	73	59.33	7/17/1996	16:18	0.3	25.1	9.5	293

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1996	3	60	6	4	177	41	29.52	73	59.24	7/17/1996	16:30	0.3	25	9	284
1996	3	62	4	4	171	41	32.19	73	59.91	7/17/1996	16:06	0.3	24.5	9.1	242
1996	3	65	4	2	162	41	33.99	73	58.39	7/17/1996	15:49	0.3	24	9	234
1996	3	69	6	2	157	41	36.97	73	56.85	7/17/1996	15:29	0.3	24	9	288
1996	3	69	6	2	158	41	36.94	73	56.81	7/17/1996	15:24	0.3	24	9	287
1996	3	72	4	2	151	41	40.04	73	57.11	7/17/1996	15:05	0.3	23	9.3	247
1996	3	73	6	2	150	41	40.28	73	56.49	7/17/1996	14:53	0.3	25	9.1	224
1996	3	74	4	2	147	41	41.29	73	56.8	7/17/1996	14:24	0.3	24.5	9	212
1996	3	74	6	2	149	41	41.064	73	56.289	7/17/1996	14:36	0.3	24	8.4	228
1996	3	77	6	2	141	41	44.46	73	56.21	7/17/1996	13:42	0.3	23.5	8.7	216
1996	3	77	6	2	142	41	43.92	73	56.14	7/17/1996	13:53	0.3	23.6	8.7	220
1996	3	80	6	2	137	41	46.14	73	56.82	7/17/1996	13:28	0.3	25.4	9.5	215
1996	3	81	4	2	135	41	47.474	73	57.457	7/17/1996	13:10	0.3	26.5	9.5	217
1996	3	83	4	2	133	41	48.74	73	57.19	7/17/1996	12:57	0.3	24.8	8	210
1996	3	84	4	2	129	41	50.61	73	57.28	7/17/1996	12:36	0.3	24.5	8.5	216
1996	3	84	6	2	130	41	50.19	73	56.63	7/17/1996	12:46	0.3	24.1	8.4	218
1996	3	85	6	2	127	41	51.18	73	56.5	7/17/1996	12:23	0.3	24	9.2	219
1996	3	86	6	2	125	41	51.75	73	55.89	7/17/1996	11:43	0.3	24.8	8.5	240
1996	3	88	6	2	122	41	53.023	73	56.214	7/17/1996	11:30	0.3	25	8.8	237
1996	3	89	6	2	121	41	53.84	73	57.04	7/17/1996	11:18	0.3	24.8	8.9	230
1996	3	90	6	4	120	41	54.02	73	57.2	7/17/1996	11:07	0.3	24.5	9	242
1996	3	91	6	4	119	41	55.847	73	56.774	7/17/1996	10:40	0.3	24.8	9	243
1996	3	92	4	4	118	41	56.32	73	58.1	7/17/1996	7:47	0.3	22.2	8.1	322
1996	3	93	4	4	116	41	57.05	73	57.77	7/17/1996	8:38	0.3	23	8	311
1996	3	93	6	4	117	41	57.036	73	56.721	7/17/1996	10:21	0.3	24	9.5	242
1996	3	94	4	4	113	41	58.38	73	57.25	7/17/1996	9:14	0.3	23	8.8	263
1996	3	94	4	4	115	41	57.78	73	57.47	7/17/1996	9:03	0.3	23.5	8.1	262
1996	3	94	6	4	114	41	58.085	73	56.467	7/17/1996	10:11	0.3	24.1	9.5	244
1996	3	95	6	4	112	41	58.238	73	56.123	7/17/1996	9:37	0.3	23.8	8.8	250
1996	3	96	4	4	105	42	0.22	73	56.65	7/16/1996	18:44	0.3	23.9	9.3	204
1996	3	96	4	4	108	41	59.76	73	56.81	7/16/1996	18:53	0.3	24	9	208
1996	3	96	4	4	110	41	59.4	73	56.94	7/16/1996	19:05	0.3	23.5	9.1	216
1996	3	97	4	4	102	42	0.83	73	56.38	7/16/1996	18:09	0.3	23.7	9	205
1996	3	97	4	4	103	42	0.5	73	56.51	7/16/1996	18:30	0.3	23.8	9	203
1996	3	98	4	4	100	42	1.67	73	56.54	7/16/1996	17:45	0.3	23.5	9	205
1996	3	98	4	4	101	42	1.426	73	56.456	7/16/1996	17:54	0.3	24	9	208
1996	3	99	6	4	99	42	2.02	73	55.73	7/16/1996	17:32	0.3	24.5	9.1	220
1996	3	105	4	2	97	42	7.68	73	55.13	7/16/1996	16:49	0.3	24	8.4	244
1996	3	105	4	2	98	42	7.33	73	55.3	7/16/1996	17:15	0.3	24.5	9	226
1996	3	106	4	2	96	42	8.147	73	54.796	7/16/1996	16:34	0.3	23	8.1	237
1996	3	109	6	2	92	42	10.27	73	52.32	7/16/1996	16:07	0.3	23.8	8.4	224
1996	3	109	6	2	93	42	9.91	73	52.81	7/16/1996	16:16	0.3	24	8.4	224
1996	3	110	6	2	91	42	10.9	73	51.53	7/16/1996	15:55	0.3	25	9	224

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1996	3	112	4	2	88	42	12.69	73	51.26	7/16/1996	15:28	0.3	24.5	7.8	216
1996	3	113	4	2	86	42	13.12	73	51.33	7/16/1996	15:16	0.3	23.1	8.7	238
1996	3	114	4	2	81	42	14.39	73	50.549	7/16/1996	14:16	0.3	23.8	8.4	240
1996	3	114	4	2	82	42	14.31	73	50.58	7/16/1996	14:29	0.3	24.5	8.8	211
1996	3	114	6	2	84	42	14.02	73	50.18	7/16/1996	14:47	0.3	23.9	8.6	246
1996	3	114	6	2	85	42	13.54	73	50.75	7/16/1996	15:05	0.3	23.5	8.5	247
1996	3	116	6	2	77	42	15.02	73	48.31	7/16/1996	13:59	0.3	23.2	8.3	248
1996	3	117	4	4	76	42	15.84	73	47.69	7/16/1996	13:46	0.3	25.5	8.8	246
1996	3	118	4	4	75	42	16.12	73	47.49	7/16/1996	13:30	0.3	24	8.7	242
1996	3	119	6	4	71	42	17.16	73	46.8	7/16/1996	13:15	0.3	25	8.5	229
1996	3	121	4	4	65	42	19.307	73	47.217	7/16/1996	12:36	0.3	23.8	8.6	253
1996	3	121	4	4	68	42	18.53	73	47.1	7/16/1996	13:02	0.3	25	8.5	249
1996	3	121	6	4	66	42	19.33	73	46.85	7/16/1996	12:48	0.3	24.5	8.7	237
1996	3	122	4	4	61	42	20.29	73	47.24	7/16/1996	12:21	0.3	23.8	8.2	256
1996	3	124	6	4	56	42	21.49	73	47.29	7/16/1996	11:56	0.3	23	8.2	265
1996	3	124	6	4	57	42	21.28	73	47.32	7/16/1996	12:08	0.3	23.8	8.6	250
1996	3	128	6	4	43	42	25.02	73	46.62	7/16/1996	11:23	0.3	23	8.1	254
1996	3	131	4	4	33	42	28.06	73	47.13	7/16/1996	10:59	0.3	22.8	8.5	269
1996	3	133	4	4	29	42	29.09	73	47.273	7/16/1996	10:27	0.3	22.1	8.6	224
1996	3	134	4	4	27	42	30.17	73	46.88	7/16/1996	10:08	0.3	22.8	7.8	304
1996	3	138	4	4	23	42	33.14	73	45.46	7/16/1996	9:47	0.3	22	8.4	225
1996	3	139	4	4	18	42	34.14	73	45.24	7/16/1996	9:37	0.3	22	8.7	220
1996	3	143	4	4	6	42	38.03	73	45.23	7/16/1996	9:05	0.3	21	8.6	224
1996	3	143	6	4	7	42	37.48	73	45.14	7/16/1996	9:18	0.3	22	8.3	214
1996	3	145	6	4	4	42	39.51	73	44.09	7/16/1996	8:36	0.3	21.5	8.9	199
1996	3	145	6	4	5	42	39.19	73	44.41	7/16/1996	8:50	0.3	21	8.7	205
1996	3	148	6	4	3	42	41.41	73	42.584	7/16/1996	8:19	0.3	20.5	8.6	198
1996	3	149	6	4	2	42	42	73	42.07	7/16/1996	8:08	0.3	21	8.4	193
1996	4	18	4	4	260	40	56.889	73	55.1	7/29/1996	11:58	0.3	23.4	8.5	8133
1996	4	19	6	4	259	40	57.735	73	53.561	7/29/1996	12:22	0.3	23	7.4	13494
1996	4	20	6	4	258	40	57.73	73	53.661	7/29/1996	12:40	0.3	23.6	7.3	12303
1996	4	21	6	4	257	40	59.13	73	53.13	7/29/1996	13:03	0.3	23.6	8.5	11585
1996	4	23	6	4	254	41	1.086	73	52.681	7/29/1996	13:15	0.3	24.3	10	9802
1996	4	24	6	4	252	41	2.057	73	52.505	7/29/1996	13:49	0.3	24	9.8	10168
1996	4	24	6	4	253	41	1.169	73	52.711	7/29/1996	13:38	0.3	24.1	9.7	10654
1996	4	25	4	4	250	41	2.86	73	55.07	7/29/1996	10:58	0.3	25.2	9.7	8234
1996	4	25	4	4	270	41	2.783	73	55.05	7/29/1996	11:17	0.3	23.5	8.7	8732
1996	4	25	6	4	251	41	2.46	73	52.42	7/29/1996	14:03	0.3	23.6	8	10355
1996	4	26	4	2	246	41	3.6	73	55.2	7/29/1996	10:23	0.3	23.5	9.8	8013
1996	4	26	4	2	271	41	3.77	73	55.22	7/29/1996	10:13	0.3	23.5	10.1	8013
1996	4	26	4	2	283	41	8.34	73	54.4	7/29/1996	10:34	0.3	23	10.2	8200
1996	4	26	6	4	247	41	3.891	73	52.077	7/29/1996	14:40	0.3	23.9	9	9170
1996	4	26	6	4	248	41	3.273	73	52.221	7/29/1996	14:26	0.3	23.6	7.7	9432

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1996	4	26	6	4	249	41	2.67	73	52.3	7/29/1996	14:17	0.3	23.6	7.8	9535
1996	4	27	4	2	245	41	4.19	73	55.21	7/29/1996	10:00	0.3	23.8	9.8	7657
1996	4	27	4	2	272	41	4.49	73	55.14	7/29/1996	9:35	0.3	24	9.4	7626
1996	4	28	6	4	243	41	5.683	73	52.214	7/29/1996	15:05	0.3	24.5	10	8051
1996	4	28	6	4	244	41	5.33	73	52.33	7/29/1996	14:52	0.3	24.4	10.5	7967
1996	4	29	4	2	242	41	6.1	73	54.88	7/29/1996	9:09	0.3	24.1	8.5	7306
1996	4	30	4	2	241	41	7.14	73	54.77	7/29/1996	8:47	0.3	24.1	8.6	7204
1996	4	31	4	2	285	41	3.607	73	55.196	7/29/1996	8:32	0.3	24	7.1	6813
1996	4	32	4	2	239	41	8.81	73	54.6	7/29/1996	8:15	0.3	23.8	8.1	6024
1996	4	32	4	2	240	41	8.48	73	54.42	7/29/1996	8:27	0.3	24.1	7.5	6697
1996	4	32	6	2	237	41	9.274	73	52.181	7/29/1996	15:41	0.3	25.1	11.4	8947
1996	4	32	6	4	238	41	8.85	73	52.123	7/29/1996	15:25	0.3	24.5	10	6038
1996	4	32	6	2	269	41	9.445	73	52.243	7/29/1996	15:50	0.3	25	11	9065
1996	4	33	6	2	236	41	9.79	73	52.202	7/29/1996	16:02	0.3	24.4	10.2	6051
1996	4	35	4	4	229	41	10.59	73	56.41	8/1/1996	14:12	0.3	24.7	8.2	3809
1996	4	35	4	4	230	41	10.59	73	56.39	8/1/1996	14:21	0.3	24.4	8	4588
1996	4	35	4	4	277	41	10.95	73	57.06	8/1/1996	14:01	0.3	24.7	8.2	3708
1996	4	35	6	2	231	41	11.23	73	53.69	7/29/1996	16:36	0.3	24.8	11.8	5001
1996	4	35	6	2	232	41	11.172	73	53.996	7/29/1996	16:20	0.3	24.9	12.6	5390
1996	4	35	6	2	275	41	11.31	73	53.54	7/29/1996	16:51	0.3	25.7	14	5597
1996	4	36	4	2	226	41	11.8	73	57.5	8/1/1996	13:31	0.3	25.1	7.3	3857
1996	4	36	4	4	227	41	11.02	73	57.41	8/1/1996	13:54	0.3	24.6	8.2	3816
1996	4	36	4	2	282	41	11.2	73	57.17	8/1/1996	13:44	0.3	25.1	7.3	3877
1996	4	36	6	2	228	41	12.25	73	53.5	7/29/1996	17:11	0.3	25.4	12	4940
1996	4	38	4	2	222	41	12.979	73	57.867	8/1/1996	12:53	0.3	24.4	8	3146
1996	4	38	4	2	278	41	12.96	73	57.828	8/1/1996	13:17	0.3	24.7	7.8	3287
1996	4	38	4	2	279	41	13.36	73	57.82	8/1/1996	13:08	0.3	24.7	7.8	3187
1996	4	38	4	2	280	41	13.4	73	57.81	8/1/1996	13:02	0.3	24.4	8	3247
1996	4	39	4	2	215	41	13.62	73	58.34	8/1/1996	12:36	0.3	24.6	7.2	2712
1996	4	40	6	2	211	41	14.88	73	57.6	8/1/1996	12:08	0.3	24.4	7.8	3066
1996	4	40	6	2	213	41	14.64	73	57.15	8/1/1996	12:26	0.3	24.5	7.6	3019
1996	4	44	6	2	201	41	17.74	73	56.87	8/1/1996	10:47	0.3	23.5	6.9	1017
1996	4	46	4	2	198	41	19.7	73	59	8/1/1996	10:25	0.3	23	6.9	326
1996	4	49	4	2	196	41	21.16	73	57.74	8/1/1996	9:46	0.3	23	7.2	296
1996	4	52	6	4	193	41	24.12	73	57.31	8/1/1996	8:40	0.3	23	7.1	358
1996	4	52	6	2	194	41	24.12	73	56.81	8/1/1996	9:03	0.3	22.8	7.2	354
1996	4	53	4	4	192	41	24.19	73	57.95	8/1/1996	8:15	0.3	22.9	7.4	244
1996	4	55	6	4	189	41	25.66	73	58.14	7/31/1996	14:51	0.3	22.1	8.1	259
1996	4	56	4	4	188	41	26.47	73	59.66	7/31/1996	14:39	0.3	23	8	265
1996	4	57	4	4	185	41	27.68	74	0.73	7/31/1996	14:15	0.3	21.2	8.1	269
1996	4	58	4	2	183	41	28.02	74	0.87	7/31/1996	13:45	0.3	21.1	8.7	302
1996	4	58	4	4	184	41	27.78	74	0.7	7/31/1996	14:00	0.3	21.2	8.6	323
1996	4	59	6	2	180	41	29.08	73	59.37	7/31/1996	13:15	0.3	21.2	7.9	291

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1996	4	60	6	2	177	41	29.52	73	59.24	7/31/1996	12:58	0.3	21.3	7	290
1996	4	65	4	2	162	41	33.99	73	58.39	7/31/1996	12:30	0.3	23	7.5	223
1996	4	71	4	2	153	41	39.06	73	57.257	7/31/1996	11:47	0.3	22.5	6.8	215
1996	4	72	4	2	151	41	40.04	73	57.11	7/31/1996	11:29	0.3	22.5	7.6	215
1996	4	74	6	2	149	41	41.064	73	56.289	7/31/1996	10:47	0.3	22.7	6.5	266
1996	4	76	6	2	145					7/31/1996	10:03	0.3	22.7	7.3	262
1996	4	77	6	4	142	41	43.92	73	56.14	7/31/1996	9:18	0.3	22	7.4	264
1996	4	77	6	2	143	41	43.83	73	56.16	7/31/1996	9:39	0.3	22.8	6.3	265
1996	4	80	6	4	137	41	46.14	73	56.82	7/31/1996	8:52	0.3	22.8	6.5	263
1996	4	83	4	4	133	41	48.74	73	57.19	7/31/1996	8:13	0.3	22.6	7.4	274
1996	4	83	6	4	132					7/31/1996	7:50	0.3	22.8	7	261
1996	4	89	6	4	121	41	53.84	73	57.04	7/30/1996	18:08	0.3	22.8	6.9	280
1996	4	90	6	4	120	41	54.02	73	57.2	7/30/1996	17:48	0.3	22.9	7.1	281
1996	4	92	4	4	118	41	56.32	73	58.1	7/30/1996	17:27	0.3	23.1	7	289
1996	4	93	4	4	116	41	57.05	73	57.77	7/30/1996	17:12	0.3	22.9	7.6	312
1996	4	93	6	4	117	41	57.036	73	56.721	7/30/1996	16:49	0.3	23.2	6.8	274
1996	4	94	6	4	114	41	58.085	73	56.467	7/30/1996	16:37	0.3	23.2	7.5	279
1996	4	95	4	2	111	41	59.083	73	57.079	7/30/1996	15:50	0.3	23.4	7.8	276
1996	4	95	6	4	112	41	58.238	73	56.123	7/30/1996	16:25	0.3	23.2	7.9	283
1996	4	96	4	2	105	42	0.22	73	56.65	7/30/1996	15:35	0.3	23.4	7.9	279
1996	4	96	6	2	109	41	59.43	73	56.012	7/30/1996	16:04	0.3	23.2	7.4	282
1996	4	98	4	2	100	42	1.67	73	56.54	7/30/1996	15:26	0.3	23.3	7.8	277
1996	4	99	6	2	99	42	2.02	73	55.73	7/30/1996	15:11	0.3	23.4	7.5	281
1996	4	105	4	2	98	42	7.33	73	55.3	7/30/1996	14:50	0.3	23.4	8.2	283
1996	4	106	4	2	96	42	8.147	73	54.796	7/30/1996	14:34	0.3	23.3	7.9	279
1996	4	108	6	2	94	42	9.56	73	53.18	7/30/1996	14:12	0.3	23.3	8.2	288
1996	4	111	6	2	89					7/30/1996	14:00	0.3	23.4	8.5	293
1996	4	112	4	2	88	42	12.69	73	51.26	7/30/1996	13:50	0.3	23.9	8.7	295
1996	4	114	4	2	82	42	14.31	73	50.58	7/30/1996	13:01	0.3	23.2	8.2	295
1996	4	114	6	2	84	42	14.02	73	50.18	7/30/1996	13:16	0.3	23.4	8.5	281
1996	4	115	6	2	80	42	14.8	73	49.1	7/30/1996	12:42	0.3	23.5	8.3	276
1996	4	119	6	2	71	42	17.16	73	46.8	7/30/1996	12:21	0.3	23.3	8.4	239
1996	4	121	4	2	68	42	18.53	73	47.1	7/30/1996	12:01	0.3	23.3	7.6	243
1996	4	121	6	2	67	42	18.82	73	46.89	7/30/1996	11:47	0.3	23.1	8.6	267
1996	4	124	4	4	55	42	21.64	73	47.62	7/30/1996	11:13	0.3	23.3	8.7	242
1996	4	128	6	4	45					7/30/1996	10:50	0.3	23	8.2	249
1996	4	129	6	4	38	42	26.05	73	46.82	7/30/1996	9:40	0.3	22.8	7.6	240
1996	4	129	6	4	39	42	25.879	73	46.76	7/30/1996	9:50	0.3	22.9	7.6	244
1996	4	129	6	4	40	42	25.67	73	46.67	7/30/1996	9:59	0.3	23	7.5	254
1996	4	129	6	4	42	42	25.226	73	46.523	7/30/1996	10:27	0.3	22.8	8.3	245
1996	4	132	4	4	30					7/30/1996	9:16	0.3	23.3	8.4	258
1996	4	133	4	4	29	42	29.09	73	47.273	7/30/1996	8:59	0.3	23.1	8.1	223
1996	5	14	4	4	265					8/12/1996	11:57	0.3	24.4	12	9984

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1996	5	15	4	4	264	40	53.57	73	56.32	8/12/1996	12:20	0.3	24.2	8.3	10632
1996	5	16	4	4	262	40	54.9	73	55.7	8/12/1996	12:33	0.3	24.4	9.6	10085
1996	5	18	4	4	260	40	56.889	73	55.1	8/12/1996	12:50	0.3	24.5	10.3	8957
1996	5	18	6	4	261	40	56.27	73	54.17	8/12/1996	11:34	0.3	24.3	8.7	11520
1996	5	24	6	2	252	41	2.057	73	52.505	8/12/1996	10:50	0.3	24.8	8.8	7302
1996	5	24	6	2	253	41	1.169	73	52.711	8/12/1996	11:07	0.3	24.8	8.8	7502
1996	5	25	4	4	250	41	2.86	73	55.07	8/12/1996	13:33	0.3	24.8	10.1	5901
1996	5	25	4	4	270	41	2.783	73	55.05	8/12/1996	13:18	0.3	24.7	10.7	5512
1996	5	25	6	2	251	41	2.46	73	52.42	8/12/1996	10:41	0.3	24.8	8.5	7802
1996	5	26	4	4	246	41	3.6	73	55.2	8/12/1996	14:10	0.3	24.8	10.3	5501
1996	5	26	4	4	271	41	3.77	73	55.22	8/12/1996	13:59	0.3	24.8	10.4	5501
1996	5	26	4	4	283	41	8.34	73	54.4	8/12/1996	13:46	0.3	24.8	9.6	5401
1996	5	26	6	2	247	41	3.891	73	52.077	8/12/1996	10:08	0.3	24.8	8	6301
1996	5	26	6	2	248	41	3.273	73	52.221	8/12/1996	10:18	0.3	24.8	8.3	7101
1996	5	26	6	2	249	41	2.67	73	52.3	8/12/1996	10:29	0.3	24.8	8.3	7201
1996	5	27	4	4	245	41	4.19	73	55.21	8/12/1996	14:21	0.3	24.8	11.1	4601
1996	5	27	4	4	272	41	4.49	73	55.14	8/12/1996	14:38	0.3	24.8	11.1	4721
1996	5	28	6	2	243	41	5.683	73	52.214	8/12/1996	9:45	0.3	24.8	8.8	6001
1996	5	28	6	2	244	41	5.33	73	52.33	8/12/1996	9:53	0.3	24.8	8.1	6101
1996	5	29	4	2	242	41	6.1	73	54.88	8/12/1996	14:45	0.3	25.1	12.1	4275
1996	5	30	4	2	241	41	7.14	73	54.77	8/12/1996	15:01	0.3	25	11.2	4184
1996	5	31	4	2	285	41	3.607	73	55.196	8/12/1996	15:17	0.3	25.3	9.6	3871
1996	5	32	4	2	239	41	8.81	73	54.6	8/12/1996	15:32	0.3	25.2	7.8	3869
1996	5	32	4	2	240	41	8.48	73	54.42	8/12/1996	15:25	0.3	25	9.5	3785
1996	5	32	6	2	237	41	9.274	73	52.181	8/12/1996	9:19	0.3	25	8.4	4981
1996	5	32	6	2	238	41	8.85	73	52.123	8/12/1996	9:28	0.3	24.9	8.1	4492
1996	5	32	6	2	269	41	9.445	73	52.243	8/12/1996	9:06	0.3	25	8.5	4981
1996	5	33	6	2	236	41	9.79	73	52.202	8/12/1996	8:51	0.3	25.1	8.1	4076
1996	5	34	6	2	234	41	10.19	73	53.93	8/12/1996	15:51	0.3	24.3	10	3213
1996	5	35	4	4	229	41	10.59	73	56.41	8/14/1996	16:48	0.3	27	7.1	4351
1996	5	35	4	4	230	41	10.59	73	56.39	8/14/1996	16:59	0.3	27.1	7	4342
1996	5	35	4	4	277	41	10.95	73	57.06	8/14/1996	16:37	0.3	27.3	7.6	4324
1996	5	35	6	2	231	41	11.23	73	53.69	8/12/1996	16:25	0.3	25.6	13	2568
1996	5	35	6	2	232	41	11.172	73	53.996	8/12/1996	16:00	0.3	25.3	9	3089
1996	5	35	6	2	274	41	11.17	73	53.71	8/12/1996	16:17	0.3	25	9	3188
1996	5	35	6	2	275	41	11.31	73	53.54	8/12/1996	16:35	0.3	25.5	12.1	2465
1996	5	36	4	4	227	41	11.02	73	57.41	8/14/1996	16:26	0.3	27.4	7.6	4316
1996	5	36	6	2	276	41	12.17	73	53.51	8/12/1996	16:55	0.3	25.3	11	2475
1996	5	38	4	4	223	41	12.89	73	57.806	8/14/1996	17:11	0.3	27.6	7	4081
1996	5	38	4	4	278	41	12.96	73	57.828	8/14/1996	16:09	0.3	27.4	6.5	4173
1996	5	38	4	4	279	41	13.36	73	57.82	8/14/1996	17:34	0.3	27.4	7	4173
1996	5	38	4	4	280	41	13.4	73	57.81	8/14/1996	15:59	0.3	27.6	6.5	4251
1996	5	40	6	4	211	41	14.88	73	57.6	8/14/1996	15:50	0.3	26.8	7.6	4369

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1996	5	42	4	4	206	41	16.412	73	58.1	8/12/1996	15:35	0.3	27.2	6.3	3714
1996	5	43	6	4	202	41	17.12	73	55.98	8/14/1996	14:44	0.3	26.1	6.6	1558
1996	5	43	6	4	203	41	16.91	73	56.26	8/14/1996	14:58	0.3	26.9	6.6	1543
1996	5	46	4	2	198	41	19.7	73	59	8/14/1996	14:20	0.3	24.5	5.4	1912
1996	5	51	6	2	195	41	22.87	73	50.61	8/14/1996	13:56	0.3	25	6.2	283
1996	5	52	6	2	194	41	24.12	73	56.81	8/14/1996	13:38	0.3	24.6	5.8	263
1996	5	53	4	2	192	41	24.19	73	57.95	8/14/1996	13:23	0.3	24.6	5.9	256
1996	5	53	6	2	191	41	24.882	73	57.554	8/14/1996	13:10	0.3	24.6	6.1	242
1996	5	55	6	2	189	41	25.66	73	58.14	8/14/1996	12:54	0.3	24.9	6.1	238
1996	5	56	4	2	188	41	26.47	73	59.66	8/14/1996	12:37	0.3	25.1	6.5	229
1996	5	59	6	2	178	41	29.25	73	59.32	8/14/1996	11:51	0.3	23.5	6	277
1996	5	59	6	2	180	41	29.08	73	59.37	8/14/1996	12:02	0.3	23.6	6	282
1996	5	59	6	2	181	41	29.04	73	59.33	8/14/1996	12:12	0.3	24.3	6.2	261
1996	5	60	6	2	177	41	29.52	73	59.24	8/14/1996	11:43	0.3	23.5	5.8	272
1996	5	61	4	2	174	41	31.15	74	0.37	8/14/1996	10:53	0.3	24.6	6.3	241
1996	5	69	4	2	155	41	37.44	73	57.43	8/14/1996	10:14	0.3	24.2		224
1996	5	69	6	2	156	41	37.03	73	56.88	8/14/1996	10:27	0.3	24.5	6.3	237
1996	5	72	6	4	152	41	39.77	73	56.55	8/14/1996	9:59	0.3	23.8	5.3	246
1996	5	74	4	4	147	41	41.29	73	56.8	8/14/1996	9:27	0.3	23.8	5.8	225
1996	5	74	6	4	148	41	41.15	73	56.31	8/14/1996	9:39	0.3	23.5	6	234
1996	5	77	6	4	140	41	44.56	73	56.17	8/14/1996	9:01	0.3	23.6	5.9	231
1996	5	77	6	4	143	41	43.83	73	56.16	8/14/1996	9:11	0.3	23.8	5.8	230
1996	5	78	4	4	139	41	44.786	73	56.758	8/14/1996	8:53	0.3	23.3	5.7	225
1996	5	84	4	4	129	41	50.61	73	57.28	8/14/1996	8:12	0.3	24	6	234
1996	5	84	6	4	130	41	50.19	73	56.63	8/14/1996	8:26	0.3	23.8	5.8	230
1996	5	88	6	4	122	41	53.023	73	56.214	8/13/1996	18:30	0.3	24.3	6.8	237
1996	5	91	6	4	119	41	55.847	73	56.774	8/13/1996	18:04	0.3	24.9	8.6	240
1996	5	92	4	4	118	41	56.32	73	58.1	8/13/1996	17:46	0.3	24.6	7.4	266
1996	5	93	4	4	116	41	57.05	73	57.77	8/13/1996	17:28	0.3	24.7	7	243
1996	5	93	6	4	117	41	57.036	73	56.721	8/13/1996	17:18	0.3	24.7	6.9	236
1996	5	94	4	4	113	41	58.38	73	57.25	8/13/1996	16:58	0.3			
1996	5	96	4	4	105	42	0.22	73	56.65	8/13/1996	16:31	0.3	25.1	8	142
1996	5	96	4	4	110	41	59.4	73	56.94	8/13/1996	16:48	0.3	25	8	144
1996	5	97	4	4	103	42	0.5	73	56.51	8/13/1996	16:24	0.3	25.3	7.8	239
1996	5	98	4	4	100	42	1.67	73	56.54	8/13/1996	16:08	0.3	24.5	7.4	242
1996	5	98	4	4	101	42	1.426	73	56.456	8/13/1996	16:15	0.3	24.5	7.5	243
1996	5	105	4	2	97	42	7.68	73	55.13	8/13/1996	15:40	0.3	24.9	7.8	240
1996	5	105	4	2	98	42	7.33	73	55.3	8/13/1996	15:48	0.3	24.7	7.8	241
1996	5	106	4	2	96	42	8.147	73	54.796	8/13/1996	15:26	0.3	24.7	7.8	246
1996	5	113	4	2	86	42	13.12	73	51.33	8/13/1996	14:38	0.3	25	7.7	241
1996	5	114	4	2	81	42	14.39	73	50.549	8/13/1996	13:52	0.3	24.7	7.2	242
1996	5	114	4	2	82	42	14.31	73	50.58	8/13/1996	14:08	0.3	25.2	8.9	250
1996	5	114	6	2	84	42	14.02	73	50.18	8/13/1996	14:20	0.3	25	8	241

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1996	5	117	4	2	76	42	15.84	73	47.69	8/13/1996	13:13	0.3	25.3	7.1	243
1996	5	119	6	2	71	42	17.16	73	46.8	8/13/1996	12:48	0.3	25.2	9.5	246
1996	5	121	4	2	65	42	19.307	73	47.217	8/13/1996	12:16	0.3	24.8	6.9	239
1996	5	121	6	2	66	42	19.33	73	46.85	8/13/1996	12:25	0.3	25.6	8.1	241
1996	5	122	6	2	62	42	20.105	73	46.848	8/13/1996	11:49	0.3	24.2	7.8	252
1996	5	124	6	2	56	42	21.49	73	47.29	8/13/1996	11:33	0.3	24.7	7.2	239
1996	5	132	4	4	30					8/13/1996	11:00	0.3	24.2	7.3	248
1996	5	143	4	4	6	42	38.03	73	45.23	8/13/1996	10:22	0.3	24.5	6.8	257
1996	5	145	6	4	4	42	39.51	73	44.09	8/13/1996	9:41	0.3	23.4	7.2	250
1996	5	145	6	4	5	42	39.19	73	44.41	8/13/1996	10:02	0.3	23.4	7.2	247
1996	5	148	6	4	3	42	41.41	73	42.584	8/13/1996	9:24	0.3	23.7	7.6	254
1996	5	149	6	4	2	42	42	73	42.07	8/13/1996	9:14	0.3	22.5	7.2	236
1996	5	151	4	4	1	42	44.51	73	41.196	8/13/1996	8:51	0.3	22.5	7.2	233
1996	6	18	4	4	260	40	56.889	73	55.1	8/26/1996	10:58	0.3	26	8.5	16103
1996	6	18	6	4	261	40	56.27	73	54.17	8/26/1996	11:14	0.3	26.5	9.2	19128
1996	6	19	6	4	259	40	57.735	73	53.561	8/26/1996	11:30	0.3	26.2	8.8	16718
1996	6	20	6	4	258	40	57.73	73	53.661	8/26/1996	11:46	0.3	26.5	7.4	16906
1996	6	23	6	4	255	41	0.74	73	52.83	8/26/1996	12:05	0.3	26.5	7.2	14394
1996	6	24	6	4	252	41	2.057	73	52.505	8/26/1996	12:25	0.3	26.9	7	14181
1996	6	24	6	4	253	41	1.169	73	52.711	8/26/1996	12:11	0.3	27	6.9	14153
1996	6	25	4	4	250	41	2.86	73	55.07	8/26/1996	10:17	0.3	26.1	9.5	10713
1996	6	25	4	4	270	41	2.783	73	55.05	8/26/1996	10:26	0.3	26	9.5	10052
1996	6	25	6	4	251	41	2.46	73	52.42	8/26/1996	12:33	0.3	27	6.8	12431
1996	6	26	4	2	246	41	3.6	73	55.2	8/26/1996	9:58	0.3	26	8	10540
1996	6	26	4	2	271	41	3.77	73	55.22	8/26/1996	9:51	0.3	26.1	7.9	10519
1996	6	26	4	2	283	41	8.34	73	54.4	8/26/1996	10:07	0.3	26.1	10	10616
1996	6	26	6	4	247	41	3.891	73	52.077	8/26/1996	13:26	0.3	27.1	6.5	10975
1996	6	26	6	4	248	41	3.273	73	52.221	8/26/1996	13:16	0.3	27.5	6.2	11359
1996	6	26	6	4	249	41	2.67	73	52.3	8/26/1996	12:43	0.3	27.1	6.2	12406
1996	6	27	4	2	245	41	4.19	73	55.21	8/26/1996	9:43	0.3	25.8	9.5	10583
1996	6	27	4	2	272	41	4.49	73	55.14	8/26/1996	9:32	0.3	26.2	10.8	10108
1996	6	28	6	4	243	41	5.683	73	52.214	8/26/1996	13:48	0.3	27.9	6.8	9389
1996	6	28	6	4	244	41	5.33	73	52.33	8/26/1996	13:39	0.3	28	6.8	9839
1996	6	29	4	2	242	41	6.1	73	54.88	8/26/1996	9:19	0.3	26.5	11	10143
1996	6	30	4	2	241	41	7.14	73	54.77	8/26/1996	9:06	0.3	26.2	6.8	10206
1996	6	31	4	2	285	41	3.607	73	55.196	8/26/1996	8:55	0.3			
1996	6	32	4	2	239	41	8.81	73	54.6	8/26/1996	8:36	0.3	26	9	8393
1996	6	32	4	2	240	41	8.48	73	54.42	8/26/1996	8:47	0.3			
1996	6	32	6	4	237	41	9.274	73	52.181	8/26/1996	14:08	0.3	27.8	8	6586
1996	6	32	6	4	238	41	8.85	73	52.123	8/26/1996	14:00	0.3	27.8	7.8	8185
1996	6	32	6	2	269	41	9.445	73	52.243	8/26/1996	14:17	0.3	27.8	7.9	6586
1996	6	33	6	2	236	41	9.79	73	52.202	8/26/1996	14:26	0.3	29	8.2	7438
1996	6	34	6	4	233	41	10.662	73	53.922	8/26/1996	14:48	0.3	28.4	7.3	6971

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1996	6	34	6	4	234	41	10.19	73	53.93	8/26/1996	14:41	0.3	28.2	7.2	6999
1996	6	35	4	4	229	41	10.59	73	56.41	8/26/1996	16:05	0.3	27	6.2	6216
1996	6	35	4	4	230	41	10.59	73	56.39	8/26/1996	16:18	0.3	27	6.2	6407
1996	6	35	6	4	231	41	11.23	73	53.69	8/26/1996	15:25	0.3	30	12	5399
1996	6	35	6	4	232	41	11.172	73	53.996	8/26/1996	15:06	0.3	27.5	10	6531
1996	6	35	6	4	274	41	11.17	73	53.71	8/26/1996	15:14	0.3	27.5	9.9	6531
1996	6	35	6	4	275	41	11.31	73	53.54	8/26/1996	15:35	0.3	29.9	11.5	5410
1996	6	36	4	4	227	41	11.02	73	57.41	8/26/1996	16:31	0.3	28.8	7.2	5808
1996	6	36	6	4	276	41	12.17	73	53.51	8/26/1996	15:47	0.3	29.9	10.8	6312
1996	6	38	4	2	221	41	13.43	73	57.79	8/26/1996	16:55	0.3	28	7	5435
1996	6	38	4	2	222	41	12.979	73	57.867	8/26/1996	17:11	0.3	28.5	7	5380
1996	6	38	4	2	223	41	12.89	73	57.806	8/26/1996	17:02	0.3	28.5	6.9	5380
1996	6	38	4	2	280	41	13.4	73	57.81	8/26/1996	16:48	0.3	28	7	5435
1996	6	40	6	2	212					8/28/1996	12:11	0.3	26.7	4.5	5869
1996	6	43	6	2	202	41	17.12	73	55.98	8/28/1996	11:27	0.3	25.7	4.3	2190
1996	6	43	6	2	203	41	16.91	73	56.26	8/28/1996	11:48	0.3	25.8	4.1	2215
1996	6	44	6	2	201	41	17.74	73	56.87	8/28/1996	11:13	0.3	26	4.2	2489
1996	6	46	6	2	199	41	19.42	73	58.77	8/28/1996	10:51	0.3	25.8	4	1480
1996	6	49	4	2	196	41	21.16	73	57.74	8/28/1996	10:24	0.3	25.3	4.1	653
1996	6	51	6	2	195	41	22.87	73	50.61	8/28/1996	10:00	0.3	25.1	4.3	547
1996	6	52	6	2	194	41	24.12	73	56.81	8/28/1996	9:35	0.3	25.1	4.3	418
1996	6	53	6	2	191	41	24.882	73	57.554	8/28/1996	9:10	0.3	24.5	4.1	554
1996	6	55	6	4	189	41	25.66	73	58.14	8/28/1996	8:51	0.3	25.6	4.4	326
1996	6	57	4	4	185	41	27.68	74	0.73	8/28/1996	8:27	0.3	24.1	4.9	296
1996	6	57	4	4	186	41	27.28	74	0.8	8/28/1996	8:37	0.3	24.1	4.9	296
1996	6	59	6	4	178	41	29.25	73	59.32	8/28/1996	8:03	0.3	24.5	4	289
1996	6	59	6	4	179	41	29.24	73	59.34	8/28/1996	8:14	0.3	24.5	4.1	290
1996	6	60	6	4	177	41	29.52	73	59.24	8/28/1996	7:51	0.3	24.9	3.9	286
1996	6	61	4	4	174	41	31.15	74	0.37	8/28/1996	7:28	0.3	24.5	5.9	262
1996	6	62	4	4	171	41	32.19	73	59.91	8/28/1996	7:08	0.3	25.2	7.8	236
1996	6	69	6	4	156	41	37.03	73	56.88	8/27/1996	18:33	0.3	25	8.5	244
1996	6	72	4	4	151	41	40.04	73	57.11	8/27/1996	17:56	0.3	25.5	5.5	227
1996	6	74	4	4	147	41	41.29	73	56.8	8/27/1996	17:17	0.3	25.5	5.1	227
1996	6	74	6	4	148	41	41.15	73	56.31	8/27/1996	17:44	0.3	25.5	5.5	227
1996	6	77	6	4	140	41	44.56	73	56.17	8/27/1996	16:51	0.3	25.5	5.8	229
1996	6	77	6	4	143	41	43.83	73	56.16	8/27/1996	17:05	0.3	25.5	5.9	232
1996	6	78	4	4	139	41	44.786	73	56.758	8/27/1996	16:41	0.3	26	6.5	229
1996	6	78	6	4	138	41	45.18	73	56.22	8/27/1996	16:27	0.3	25.8	5.5	230
1996	6	83	4	4	131	41	49.33	73	57.31	8/27/1996	16:06	0.3	26	6.8	234
1996	6	86	6	4	125	41	51.75	73	55.89	8/27/1996	15:49	0.3	27.8	6.2	233
1996	6	89	6	4	121	41	53.84	73	57.04	8/27/1996	15:33	0.3	25.5	5.9	242
1996	6	90	6	4	120	41	54.02	73	57.2	8/27/1996	15:20	0.3	25.5	5.8	242
1996	6	92	4	4	118	41	56.32	73	58.1	8/27/1996	14:51	0.3	26	6.7	249

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1996	6	93	4	4	116	41	57.05	73	57.77	8/27/1996	14:39	0.3	26.3	6.2	250
1996	6	96	4	2	105	42	0.22	73	56.65	8/27/1996	14:18	0.3	26.8	6.5	240
1996	6	96	4	2	110	41	59.4	73	56.94	8/27/1996	14:29	0.3	27	6.5	239
1996	6	97	4	2	103	42	0.5	73	56.51	8/27/1996	14:08	0.3	26.8	6.5	238
1996	6	98	4	2	100	42	1.67	73	56.54	8/27/1996	13:50	0.3	26.2	6.6	244
1996	6	98	4	2	101	42	1.426	73	56.456	8/27/1996	13:58	0.3	26	6.1	244
1996	6	99	6	2	99	42	2.02	73	55.73	8/27/1996	13:43	0.3	26.2	6	238
1996	6	105	4	2	97	42	7.68	73	55.13	8/27/1996	13:18	0.3	26.1	6.2	245
1996	6	105	4	2	98	42	7.33	73	55.3	8/27/1996	13:27	0.3	26	6.2	244
1996	6	106	4	2	96	42	8.147	73	54.796	8/27/1996	13:11	0.3	26	5.8	244
1996	6	109	6	2	92	42	10.27	73	52.32	8/27/1996	12:56	0.3	25.1	6.1	244
1996	6	114	4	2	83	42	14.26	73	50.71	8/27/1996	12:17	0.3	25.1	6.5	244
1996	6	114	6	2	85	42	13.54	73	50.75	8/27/1996	12:28	0.3	25.8	6.1	243
1996	6	117	4	2	76	42	15.84	73	47.69	8/27/1996	11:45	0.3	25.1	6	239
1996	6	118	4	2	73	42	16.76	73	47.67	8/27/1996	11:29	0.3	25.1	6	234
1996	6	119	6	2	69	42	17.29	73	46.78	8/27/1996	11:08	0.3	24.8	6.9	240
1996	6	119	6	2	71	42	17.16	73	46.8	8/27/1996	11:19	0.3	24.8	7	240
1996	6	122	6	2	62	42	20.105	73	46.848	8/27/1996	10:52	0.3	25.1	5.5	244
1996	6	123	4	2	59					8/27/1996	10:36	0.3	24.8	5.5	240
1996	6	124	4	2	55	42	21.64	73	47.62	8/27/1996	10:23	0.3	25.1	4.9	239
1996	6	132	4	4	30					8/27/1996	9:55	0.3	25.1	5.5	247
1996	6	138	4	4	20	42	33.5	73	45.35	8/27/1996	9:08	0.3	24.8	5.5	235
1996	6	138	4	4	21	42	33.51	73	45.33	8/27/1996	9:25	0.3	24.8	5.6	235
1996	6	139	4	4	18	42	34.14	73	45.24	8/27/1996	8:53	0.3	25	5.5	234
1996	6	142	6	4	8	42	36.82	73	45.4	8/26/1996	8:36	0.3	25.1	6.2	224
1996	6	148	6	4	3	42	41.41	73	42.584	8/27/1996	8:16	0.3	24.8	7.3	225
1996	6	149	6	4	2	42	42	73	42.07	8/27/1996	8:05	0.3	25.4	8.1	204
1996	7	14	4	4	265					9/9/1996	12:14	0.3	26.5	7.3	14684
1996	7	14	4	4	266	40	52.925	73	56.648	9/9/1996	12:03	0.3	26.1	7.5	14025
1996	7	15	4	4	263	40	54.252	73	55.961	9/9/1996	12:37	0.3	26.2	7.9	14094
1996	7	22	6	4	256	40	59.97	73	53.05	9/9/1996	11:33	0.3	25.8	7.5	11759
1996	7	23	6	4	255	41	0.74	73	52.83	9/9/1996	11:15	0.3	25.2	6.8	12103
1996	7	24	6	2	252	41	2.057	73	52.505	9/9/1996	10:55	0.3	25.2	6.9	10317
1996	7	24	6	2	253	41	1.169	73	52.711	9/9/1996	11:04	0.3	25.2	7	10317
1996	7	25	4	4	250	41	2.86	73	55.07	9/9/1996	13:21	0.3	26.8	7.8	9506
1996	7	25	4	4	270	41	2.783	73	55.05	9/9/1996	13:10	0.3	26.3	7.2	9215
1996	7	25	6	2	251	41	2.46	73	52.42	9/9/1996	10:47	0.3	25.2	7	10714
1996	7	26	4	4	246	41	3.6	73	55.2	9/9/1996	13:43	0.3	27	7.6	9084
1996	7	26	4	4	271	41	3.77	73	55.22	9/9/1996	13:49	0.3	27	7.5	9084
1996	7	26	4	4	283	41	8.34	73	54.4	9/9/1996	13:33	0.3	27	7.3	8989
1996	7	26	6	2	247	41	3.891	73	52.077	9/9/1996	10:16	0.3	25	6.8	9363
1996	7	26	6	2	248	41	3.273	73	52.221	9/9/1996	10:26	0.3	25.2	6.9	9424
1996	7	26	6	2	249	41	2.67	73	52.3	9/9/1996	10:38	0.3	25	7.2	9762

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1996	7	27	4	4	245	41	4.19	73	55.21	9/9/1996	13:59	0.3	27	7.6	8798
1996	7	27	4	4	272	41	4.49	73	55.14	9/9/1996	14:10	0.3	27.1	7.5	8684
1996	7	28	6	2	243	41	5.683	73	52.214	9/9/1996	9:55	0.3	25	6.5	7969
1996	7	28	6	2	244	41	5.33	73	52.33	9/9/1996	10:05	0.3	25.1	6.5	7953
1996	7	29	4	4	242	41	6.1	73	54.88	9/9/1996	14:28	0.3	28	8.5	6091
1996	7	30	4	4	241	41	7.14	73	54.77	9/9/1996	14:38	0.3	27.9	8.3	7887
1996	7	31	4	2	285	41	3.607	73	55.196	9/9/1996	14:44	0.3	27.5	7.2	7762
1996	7	32	4	2	239	41	8.81	73	54.6	9/9/1996	15:04	0.3	27.5	6.9	8330
1996	7	32	4	2	240	41	8.48	73	54.42	9/9/1996	14:54	0.3	27.5	7.2	7573
1996	7	32	6	2	237	41	9.274	73	52.181	9/9/1996	9:33	0.3	25.2	6.9	7341
1996	7	32	6	2	238	41	8.85	73	52.123	9/9/1996	9:43	0.3	25.2	7	7341
1996	7	32	6	2	269	41	9.445	73	52.243	9/9/1996	9:26	0.3	25.2	6.9	7242
1996	7	33	6	2	236	41	9.79	73	52.202	9/9/1996	9:14	0.3	25.2	6.4	7639
1996	7	34	6	2	234	41	10.19	73	53.93	9/9/1996	15:23	0.3	27.2	9.5	7143
1996	7	34	6	2	235	41	10.632	73	52.59	9/9/1996	8:59	0.3	23.2	7.5	3876
1996	7	35	4	2	229	41	10.59	73	56.41	9/9/1996	16:53	0.3	27.7	7.5	6882
1996	7	35	4	2	230	41	10.59	73	56.39	9/9/1996	16:44	0.3	27.8	7.2	6868
1996	7	35	4	2	277	41	10.95	73	57.06	9/9/1996	17:01	0.3	27.8	8.8	7339
1996	7	35	6	2	232	41	11.172	73	53.996	9/9/1996	15:37	0.3	28.1	7.5	6546
1996	7	35	6	2	274	41	11.17	73	53.71	9/9/1996	15:48	0.3	28.2	7.5	6533
1996	7	35	6	2	275	41	11.31	73	53.54	9/9/1996	16:00	0.3	29	9.5	6428
1996	7	36	4	2	282	41	11.2	73	57.17	9/9/1996	17:13	0.3	26.4	7.4	7260
1996	7	36	6	2	228	41	12.25	73	53.5	9/9/1996	16:28	0.3	28.3	9.5	6333
1996	7	36	6	2	276	41	12.17	73	53.51	9/9/1996	16:12	0.3	28.4	9.9	6320
1996	7	37	4	2	225	41	12.096	73	57.458	9/9/1996	17:23	0.3	27	7	7172
1996	7	38	4	2	222	41	12.979	73	57.867	9/9/1996	17:35	0.3	27.1	6.5	7825
1996	7	38	4	2	223	41	12.89	73	57.806	9/9/1996	17:40	0.3	27	6.5	7841
1996	7	40	6	2	210	41	14.87	73	57.74	9/9/1996	17:53	0.3	28.2	7.2	5786
1996	7	42	6	2	207	41	15.3	73	57.8	9/9/1996	18:07	0.3	28.8	6.2	5716
1996	7	43	6	2	203	41	16.91	73	56.26	9/9/1996	18:21	0.3	26.8	6.8	4897
1996	7	43	6	2	205	41	16.413	73	56.551	9/9/1996	18:39	0.3	26.8	6.5	4129
1996	7	46	4	4	198	41	19.7	73	59	9/11/1996	13:04	0.3	24.9	5.8	7985
1996	7	52	6	4	193	41	24.12	73	57.31	9/11/1996	11:58	0.3	24.9	5.8	3114
1996	7	52	6	4	194	41	24.12	73	56.81	9/11/1996	12:45	0.3	24.3	6.1	2880
1996	7	53	4	4	192	41	24.19	73	57.95	9/11/1996	11:33	0.3	24	6	3000
1996	7	53	6	4	191	41	24.882	73	57.554	9/11/1996	11:08	0.3	24.6	6.4	1356
1996	7	55	6	2	189	41	25.66	73	58.14	9/11/1996	10:53	0.3	24.8	6	1450
1996	7	57	4	2	185	41	27.68	74	0.73	9/11/1996	10:30	0.3	24.2	6.2	471
1996	7	58	4	2	183	41	28.02	74	0.87	9/11/1996	10:10	0.3	24.5	6.5	473
1996	7	58	4	2	184	41	27.78	74	0.7	9/11/1996	10:21	0.3	24.5	6.5	478
1996	7	59	6	2	180	41	29.08	73	59.37	9/11/1996	9:43	0.3	24.9	5.8	349
1996	7	59	6	2	181	41	29.04	73	59.33	9/11/1996	10:00	0.3	24.2	5.7	352
1996	7	61	4	2	174	41	31.15	74	0.37	9/11/1996	9:25	0.3	27	6.5	249

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1996	7	62	4	2	173	41	31.59	74	0.28	9/11/1996	9:15	0.3	27	6.6	247
1996	7	62	6	2	170	41	31.8	73	58.98	9/11/1996	8:23	0.3	24.9	6.7	265
1996	7	63	4	2	166					9/11/1996	8:59	0.3	27.1	6.8	243
1996	7	66	4	2	160	41	34.777	73	57.753	9/11/1996	8:43	0.3	27.9	6.6	315
1996	7	74	4	4	147	41	41.29	73	56.8	9/10/1996	18:10	0.3	25.9	6.6	247
1996	7	77	6	4	141	41	44.46	73	56.21	9/10/1996	17:57	0.3	25.5	6.6	258
1996	7	78	4	4	139	41	44.786	73	56.758	9/10/1996	17:43	0.3	26	7	249
1996	7	78	6	4	138	41	45.18	73	56.22	9/10/1996	17:30	0.3	25.9	6.5	244
1996	7	84	4	4	129	41	50.61	73	57.28	9/10/1996	16:54	0.3	26	7.1	259
1996	7	84	6	4	130	41	50.19	73	56.63	9/10/1996	17:10	0.3	25.5	6.5	248
1996	7	86	6	4	125	41	51.75	73	55.89	9/10/1996	16:42	0.3	27.4	7.5	251
1996	7	90	6	4	120	41	54.02	73	57.2	9/10/1996	16:25	0.3	25.8	6.1	254
1996	7	92	4	4	118	41	56.32	73	58.1	9/10/1996	15:46	0.3	26.2	7.5	265
1996	7	93	4	4	116	41	57.05	73	57.77	9/10/1996	15:35	0.3	26.5	7	253
1996	7	93	6	4	117	41	57.036	73	56.721	9/10/1996	15:26	0.3	26	6.5	249
1996	7	95	6	4	112	41	58.238	73	56.123	9/10/1996	15:08	0.3	26.9	7.8	244
1996	7	97	4	4	102	42	0.83	73	56.38	9/10/1996	14:43	0.3	25.8	6.4	245
1996	7	97	4	4	103	42	0.5	73	56.51	9/10/1996	14:54	0.3	27.1	7.9	248
1996	7	98	4	2	100	42	1.67	73	56.54	9/10/1996	14:25	0.3	26	7	249
1996	7	98	4	2	101	42	1.426	73	56.456	9/10/1996	14:32	0.3	26.1	7	248
1996	7	99	6	2	99	42	2.02	73	55.73	9/10/1996	14:15	0.3	26	6.8	244
1996	7	105	4	2	97	42	7.68	73	55.13	9/10/1996	13:47	0.3	26.5	6.8	256
1996	7	105	4	2	98	42	7.33	73	55.3	9/10/1996	13:58	0.3	26.9	7.5	244
1996	7	106	4	2	96	42	8.147	73	54.796	9/10/1996	13:28	0.3	26	6.5	244
1996	7	109	6	2	92	42	10.27	73	52.32	9/10/1996	13:19	0.3	26.1	6.9	251
1996	7	114	4	2	81	42	14.39	73	50.549	9/10/1996	12:16	0.3	26.9	6.9	250
1996	7	114	4	2	82	42	14.31	73	50.58	9/10/1996	12:40	0.3	26.8	7	250
1996	7	114	4	2	83	42	14.26	73	50.71	9/10/1996	12:53	0.3	27.3	7.9	250
1996	7	114	6	2	85	42	13.54	73	50.75	9/10/1996	13:04	0.3	26.9	6.9	240
1996	7	117	4	2	76	42	15.84	73	47.69	9/10/1996	11:41	0.3	26.5	8.1	246
1996	7	119	4	2	70	42	17.317	73	47.373	9/10/1996	11:27	0.3	26	7.6	244
1996	7	121	4	2	68	42	18.53	73	47.1	9/10/1996	11:13	0.3	25.8	7.2	245
1996	7	121	6	2	66	42	19.33	73	46.85	9/10/1996	10:59	0.3	26.5	8	251
1996	7	124	6	4	56	42	21.49	73	47.29	9/10/1996	10:45	0.3	24.8	6.8	245
1996	7	129	6	4	42	42	25.226	73	46.523	9/10/1996	10:23	0.3	24.2	6.8	248
1996	7	133	4	4	29	42	29.09	73	47.273	9/10/1996	10:05	0.3	24	6.5	245
1996	7	138	4	4	20	42	33.5	73	45.35	9/10/1996	9:42	0.3	23.5	6.9	252
1996	7	143	4	4	6	42	38.03	73	45.23	9/10/1996	9:23	0.3	23.2	6.3	251
1996	7	145	6	4	4	42	39.51	73	44.09	9/10/1996	8:53	0.3	23.3	7	240
1996	7	145	6	4	5	42	39.19	73	44.41	9/10/1996	9:08	0.3	23.2	6.5	239
1996	7	149	6	4	2	42	42	73	42.07	9/10/1996	8:38	0.3	22.9	7.5	212
1996	8	18	4	4	260	40	56.889	73	55.1	9/23/1996	13:03	0.3	20.4	9.3	15344
1996	8	18	6	4	261	40	56.27	73	54.17	9/23/1996	12:47	0.3	20.8	8.5	17171

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1996	8	19	6	4	259	40	57.735	73	53.561	9/23/1996	12:31	0.3	21.1	8.5	15659
1996	8	20	6	4	258	40	57.73	73	53.661	9/23/1996	12:14	0.3	20.8	8.4	15650
1996	8	22	6	4	256	40	59.97	73	53.05	9/23/1996	11:57	0.3	21.2	8.7	14010
1996	8	24	6	4	252	41	2.057	73	52.505	9/23/1996	11:32	0.3	21.3	8.9	13873
1996	8	24	6	4	253	41	1.169	73	52.711	9/23/1996	11:44	0.3	21.3	8.8	13981
1996	8	25	4	4	250	41	2.86	73	55.07	9/23/1996	13:40	0.3	20.1	8	10698
1996	8	25	4	4	270	41	2.783	73	55.05	9/23/1996	13:29	0.3	20.2	8.3	10456
1996	8	25	6	4	251	41	2.46	73	52.42	9/23/1996	11:20	0.3	20.9	8.9	12255
1996	8	26	4	4	246	41	3.6	73	55.2	9/23/1996	14:06	0.3	20.1	7.7	10478
1996	8	26	4	4	271	41	3.77	73	55.22	9/23/1996	14:18	0.3	20.2	8	10236
1996	8	26	4	4	283	41	8.34	73	54.4	9/23/1996	13:52	0.3	20.1	8	10478
1996	8	26	6	4	247	41	3.891	73	52.077	9/23/1996	10:38	0.3	21	8	10822
1996	8	26	6	4	248	41	3.273	73	52.221	9/23/1996	10:48	0.3	20.9	8.7	12038
1996	8	26	6	4	249	41	2.67	73	52.3	9/23/1996	11:00	0.3	21.7	8.3	12264
1996	8	27	4	4	245	41	4.19	73	55.21	9/23/1996	14:30	0.3	20.8	7.8	9781
1996	8	27	4	4	272	41	4.49	73	55.14	9/23/1996	14:40	0.3	20.5	7.7	10062
1996	8	28	6	4	243	41	5.683	73	52.214	9/23/1996	10:12	0.3	21	8.3	9740
1996	8	28	6	4	244	41	5.33	73	52.33	9/23/1996	10:23	0.3	20.2	9.5	8805
1996	8	29	4	4	242	41	6.1	73	54.88	9/23/1996	14:50	0.3	20.9	7.8	9110
1996	8	30	4	4	241	41	7.14	73	54.77	9/23/1996	15:08	0.3	20.9	7.9	9652
1996	8	31	4	4	285	41	3.607	73	55.196	9/23/1996	15:26	0.3	22.1	7.2	7826
1996	8	32	4	2	239	41	8.81	73	54.6	9/23/1996	15:49	0.3	22.3	7	6530
1996	8	32	4	2	240	41	8.48	73	54.42	9/23/1996	15:35	0.3	22.6	6.8	7431
1996	8	32	6	4	237	41	9.274	73	52.181	9/23/1996	9:22	0.3	21.1	7.7	8208
1996	8	32	6	4	238	41	8.85	73	52.123	9/23/1996	9:47	0.3	21.3	8.3	8281
1996	8	32	6	4	269	41	9.445	73	52.243	9/23/1996	9:07	0.3	21.2	7.4	7867
1996	8	33	6	4	236	41	9.79	73	52.202	9/23/1996	9:37	0.3	25	6.1	7172
1996	8	34	6	2	234	41	10.19	73	53.93	9/23/1996	16:05	0.3	21.4	7.2	6976
1996	8	34	6	4	235	41	10.632	73	52.59	9/23/1996	8:55	0.3	20.4	7.6	6905
1996	8	35	4	4	229	41	10.59	73	56.41	9/25/1996	14:30	0.3	22.7	5.2	6267
1996	8	35	4	4	230	41	10.59	73	56.39	9/25/1996	14:20	0.3	21.9	5.3	6638
1996	8	35	4	4	277	41	10.95	73	57.06	9/25/1996	14:08	0.3	22.2	5.1	6544
1996	8	35	6	2	231	41	11.23	73	53.69	9/23/1996	16:33	0.3	21	7.1	6277
1996	8	35	6	2	274	41	11.17	73	53.71	9/23/1996	16:18	0.3	21.1	7.7	7452
1996	8	35	6	2	275	41	11.31	73	53.54	9/23/1996	16:40	0.3			
1996	8	36	4	4	282	41	11.2	73	57.17	9/25/1996	13:56	0.3	22.2	5.5	6332
1996	8	36	6	2	276	41	12.17	73	53.51	9/23/1996	16:53	0.3	21.4	6.6	6976
1996	8	37	4	4	225	41	12.096	73	57.458	9/25/1996	13:45	0.3	22.4	5.2	5781
1996	8	38	4	4	222	41	12.979	73	57.867	9/25/1996	13:26	0.3	22.4	5.2	4940
1996	8	38	4	4	223	41	12.89	73	57.806	9/25/1996	13:37	0.3	22.4	5.1	4940
1996	8	38	6	2	220					9/23/1996	17:15	0.3	22.4	7	6306
1996	8	39	6	2	217	41	14.098	73	56.682	9/23/1996	17:43	0.3	22.9	9.6	6345
1996	8	39	6	2	218	41	14.02	73	56.4	9/23/1996	17:33	0.3	22.6	9.5	6489

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1996	8	40	6	4	210	41	14.87	73	57.74	9/25/1996	13:15	0.3	22.9	5	4660
1996	8	42	6	4	207	41	15.3	73	57.8	9/25/1996	12:58	0.3	26.5	4.7	4540
1996	8	46	4	4	198	41	19.7	73	59	9/25/1996	12:38	0.3	22	4.7	2438
1996	8	48	4	4	197	41	20.86	73	58.08	9/25/1996	12:15	0.3	21.8	4.8	1309
1996	8	51	6	4	195	41	22.87	73	50.61	9/25/1996	12:03	0.3	21.1	5.2	756
1996	8	52	6	4	193	41	24.12	73	57.31	9/25/1996	11:48	0.3	21.5	5.3	942
1996	8	53	6	4	191	41	24.882	73	57.554	9/25/1996	11:35	0.3	21.5	5.1	546
1996	8	55	6	2	189	41	25.66	73	58.14	9/25/1996	11:23	0.3	20.9	5.1	407
1996	8	56	4	2	187	41	26.83	74	0.5	9/25/1996	11:07	0.3	21.7	5.2	289
1996	8	57	4	2	186	41	27.28	74	0.8	9/24/1996	10:50	0.3	20.7	5.1	306
1996	8	58	4	2	183	41	28.02	74	0.87	9/25/1996	10:27	0.3	20.9	5.2	320
1996	8	58	4	2	184	41	27.78	74	0.7	9/25/1996	10:40	0.3	20.4	5	321
1996	8	59	6	2	179	41	29.24	73	59.34	9/25/1996	10:10	0.3	18.7	5.5	342
1996	8	61	4	2	174	41	31.15	74	0.37	9/25/1996	8:02	0.3	21.6	6.4	267
1996	8	62	6	2	170	41	31.8	73	58.98	9/24/1996	9:50	0.3	20.9	5.3	270
1996	8	64	4	2	163	41	33.48	73	59.05	9/25/1996	8:16	0.3	21.4	6.1	267
1996	8	64	6	2	165	41	32.66	73	58.52	9/25/1996	9:25	0.3	20.2	5.4	274
1996	8	69	4	2	155	41	37.44	73	57.43	9/25/1996	8:35	0.3	20.3	6	270
1996	8	69	6	2	158	41	36.94	73	56.81	9/25/1996	8:47	0.3	18.3	5.9	372
1996	8	77	6	4	142	41	43.92	73	56.14	9/24/1996	17:43	0.3	20.1	5.4	265
1996	8	78	4	4	139	41	44.786	73	56.758	9/24/1996	17:27	0.3	20.2	5.4	259
1996	8	83	4	4	131	41	49.33	73	57.31	9/24/1996	16:50	0.3	19.1	5.9	248
1996	8	83	4	4	133	41	48.74	73	57.19	9/24/1996	17:04	0.3	19.2	5.8	254
1996	8	84	4	4	129	41	50.61	73	57.28	9/24/1996	16:35	0.3	19.4	6	252
1996	8	88	6	4	122	41	53.023	73	56.214	9/24/1996	16:15	0.3	19.4	5.8	250
1996	8	89	6	4	121	41	53.84	73	57.04	9/24/1996	16:06	0.3	19.5	5.6	256
1996	8	90	6	4	120	41	54.02	73	57.2	9/24/1996	15:58	0.3	19.3	5.7	257
1996	8	92	4	4	118	41	56.32	73	58.1	9/24/1996	15:15	0.3	16.2	6	294
1996	8	93	4	4	116	41	57.05	73	57.77	9/24/1996	15:03	0.3	19	6	271
1996	8	94	4	4	113	41	58.38	73	57.25	9/24/1996	14:48	0.3	19.1	6	253
1996	8	96	4	2	105	42	0.22	73	56.65	9/24/1996	14:26	0.3	19.2	6	253
1996	8	96	4	4	110	41	59.4	73	56.94	9/24/1996	14:40	0.3	19.4	5.9	257
1996	8	97	4	2	102	42	0.83	73	56.38	9/24/1996	13:43	0.3	19.4	6	257
1996	8	97	4	2	103	42	0.5	73	56.51	9/24/1996	14:10	0.3	19.3	6.2	252
1996	8	98	4	2	100	42	1.67	73	56.54	9/24/1996	13:23	0.3	19.3	6	248
1996	8	98	4	2	101	42	1.426	73	56.456	9/24/1996	13:34	0.3	19.3	6.1	251
1996	8	99	6	2	99	42	2.02	73	55.73	9/24/1996	13:12	0.3	19.3	6	249
1996	8	105	4	2	97	42	7.68	73	55.13	9/24/1996	12:51	0.3	19.3	5.6	247
1996	8	110	6	2	91	42	10.9	73	51.53	9/24/1996	12:30	0.3	19.4	5.9	252
1996	8	112	4	2	88	42	12.69	73	51.26	9/24/1996	12:18	0.3	19.3	5.7	264
1996	8	113	6	2	87	42	13.32	73	50.85	9/24/1996	12:05	0.3	19.1	6.6	263
1996	8	114	4	2	83	42	14.26	73	50.71	9/24/1996	11:45	0.3	17	6.8	271
1996	8	114	6	2	84	42	14.02	73	50.18	9/24/1996	11:58	0.3	19.1	6.6	263

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1996	8	117	4	2	76	42	15.84	73	47.69	9/24/1996	11:22	0.3	18.9	6.9	272
1996	8	121	4	2	65	42	19.307	73	47.217	9/24/1996	10:47	0.3	19.5	6.1	268
1996	8	121	4	2	68	42	18.53	73	47.1	9/24/1996	11:08	0.3	19.1	6.5	270
1996	8	121	6	2	67	42	18.82	73	46.89	9/24/1996	10:56	0.3	19.5	6	267
1996	8	122	4	2	61	42	20.29	73	47.24	9/24/1996	10:38	0.3	19	6.5	271
1996	8	138	4	2	20	42	33.5	73	45.35	9/24/1996	9:59	0.3	19.1	7	258
1996	8	139	4	2	18	42	34.14	73	45.24	9/24/1996	9:48	0.3	19	7	260
1996	8	140	4	2	13	42	34.59	73	45.25	9/24/1996	9:38	0.3	19.8	8.1	266
1996	8	143	4	2	6	42	38.03	73	45.23	9/24/1996	9:28	0.3	18.1	7.4	247
1996	8	148	6	2	3	42	41.41	73	42.584	9/24/1996	9:03	0.3	17.2	8.4	214
1996	8	149	6	4	2	42	42	73	42.07	9/24/1996	8:52	0.3	16.9	8.5	207
1996	8	151	4	4	1	42	44.51	73	41.196	9/24/1996	8:37	0.3	17.3	8.2	252
1996	9	18	6	4	261	40	56.27	73	54.17	10/7/1996	10:58	0.3	18.5	6.5	9243
1996	9	19	6	4	259	40	57.735	73	53.561	10/7/1996	11:11	0.3	18.7	6.7	8522
1996	9	20	6	4	258	40	57.73	73	53.661	10/7/1996	11:23	0.3	19.3	6.7	8975
1996	9	22	6	4	256	40	59.97	73	53.05	10/7/1996	11:39	0.3	19.2	6.8	5846
1996	9	23	6	4	255	41	0.74	73	52.83	10/7/1996	11:49	0.3	19.3	6.9	5833
1996	9	24	6	4	252	41	2.057	73	52.505	10/7/1996	12:09	0.3	19.6	6.7	6688
1996	9	24	6	4	253	41	1.169	73	52.711	10/7/1996	11:58	0.3	19.8	6.7	6105
1996	9	25	4	4	250	41	2.86	73	55.07	10/7/1996	10:21	0.3	18.4	6.9	4209
1996	9	25	4	4	270	41	2.783	73	55.05	10/7/1996	10:32	0.3	18.4	7	3522
1996	9	25	6	4	251	41	2.46	73	52.42	10/7/1996	12:21	0.3	19.9	6.7	6092
1996	9	26	4	4	246	41	3.6	73	55.2	10/7/1996	10:03	0.3	18.7	6.9	3522
1996	9	26	4	4	271	41	3.77	73	55.22	10/7/1996	9:55	0.3	18.3	6.9	3576
1996	9	26	4	4	283	41	8.34	73	54.4	10/7/1996	10:13	0.3	18.7	6.9	3522
1996	9	26	6	4	247	41	3.891	73	52.077	10/7/1996	12:55	0.3	19.9	6.5	5427
1996	9	26	6	4	248	41	3.273	73	52.221	10/7/1996	12:43	0.3	18.8	6.3	6690
1996	9	26	6	4	249	41	2.67	73	52.3	10/7/1996	12:31	0.3	18.8	6.3	6690
1996	9	27	4	4	245	41	4.19	73	55.21	10/7/1996	9:44	0.3	18.1	6.9	3568
1996	9	27	4	4	272	41	4.49	73	55.14	10/7/1996	9:33	0.3	18.3	7.2	3324
1996	9	28	6	4	243	41	5.683	73	52.214	10/7/1996	13:19	0.3	20	6.6	4034
1996	9	28	6	4	244	41	5.33	73	52.33	10/7/1996	13:06	0.3	20	6.5	3979
1996	9	29	4	4	242	41	6.1	73	54.88	10/7/1996	9:19	0.3	18.7	6.9	2841
1996	9	30	4	4	241	41	7.14	73	54.77	10/7/1996	9:06	0.3	18.7	7.2	2727
1996	9	31	4	4	285	41	3.607	73	55.196	10/7/1996	8:55	0.3	19	6.7	2879
1996	9	32	4	4	239	41	8.81	73	54.6	10/7/1996	8:33	0.3	19.3	7.3	2928
1996	9	32	4	4	240	41	8:48	73	54.42	10/7/1996	8:46	0.3	19.3	6.7	2805
1996	9	32	6	4	237	41	9.274	73	52.181	10/7/1996	13:50	0.3	20.7	6.3	2886
1996	9	32	6	4	238	41	8.85	73	52.123	10/7/1996	13:39	0.3	20.6	6.2	3143
1996	9	32	6	2	269	41	9.445	73	52.243	10/7/1996	14:00	0.3	21.3	6.5	2904
1996	9	33	6	2	236	41	9.79	73	52.202	10/7/1996	14:12	0.3	21.2	6.3	2888
1996	9	34	6	2	233	41	10.662	73	53.922	10/7/1996	14:37	0.3	20.4	6.9	2192
1996	9	34	6	2	234	41	10.19	73	53.93	10/7/1996	14:26	0.3	20.8	7.8	2804

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1996	9	35	4	2	229	41	10.59	73	56.41	10/7/1996	15:48	0.3	21.2	6	3125
1996	9	35	6	2	231	41	11.23	73	53.69	10/7/1996	15:17	0.3	21	8	1840
1996	9	35	6	2	232	41	11.172	73	53.996	10/7/1996	14:54	0.3	20.4	8.5	1863
1996	9	35	6	2	274	41	11.17	73	53.71	10/7/1996	15:06	0.3	20.2	8	1926
1996	9	36	4	2	227	41	11.02	73	57.41	10/7/1996	15:59	0.3	21.1	6.4	2948
1996	9	36	4	2	281	41	11.13	73	57.16	10/7/1996	16:10	0.3	21	6.2	2706
1996	9	36	4	2	282	41	11.2	73	57.17	10/7/1996	16:17	0.3	20.9	6	2765
1996	9	36	6	2	276	41	12.17	73	53.51	10/7/1996	15:30	0.3	20.9	8	1898
1996	9	37	4	2	225	41	12.096	73	57.458	10/7/1996	16:27	0.3	20.8	6.4	2771
1996	9	38	4	2	222	41	12.979	73	57.867	10/7/1996	16:51	0.3			
1996	9	38	4	2	278	41	12.96	73	57.828	10/7/1996	16:43	0.3	21.2	5.9	3395
1996	9	38	4	2	280	41	13.4	73	57.81	10/7/1996	16:36	0.3	20.1	6.1	3419
1996	9	40	4	4	209	41	14.97	73	58	10/9/1996	14:43	0.3	22.4	6	7147
1996	9	40	6	4	210	41	14.87	73	57.74	10/9/1996	14:55	0.3	20.7	6.9	8930
1996	9	42	4	4	206	41	16.412	73	58.1	10/9/1996	14:29	0.3	21.7	5.8	7679
1996	9	43	6	4	204	41	16.693	73	56.484	10/9/1996	14:17	0.3	21	6.3	4632
1996	9	44	6	4	201	41	17.74	73	56.87	10/9/1996	14:06	0.3	20.1	6.1	7169
1996	9	48	4	4	197	41	20.86	73	58.08	10/9/1996	13:43	0.3	20.1	6.3	5239
1996	9	49	4	4	196	41	21.16	73	57.74	10/9/1996	13:29	0.3	20.3	5.7	4997
1996	9	51	6	4	195	41	22.87	73	50.61	10/9/1996	13:13	0.3	20.9	6	3199
1996	9	52	6	4	194	41	24.12	73	56.81	10/9/1996	12:53	0.3	20.1	6.2	2879
1996	9	55	6	4	189	41	25.66	73	58.14	10/9/1996	12:38	0.3	19.4	6.4	918
1996	9	56	4	2	188	41	26.47	73	59.66	10/9/1996	12:23	0.3	19.3	6.4	508
1996	9	57	4	2	186	41	27.28	74	0.8	10/9/1996	12:10	0.3	20	6.4	265
1996	9	58	4	2	183	41	28.02	74	0.87	10/9/1996	12:00	0.3	17.9	6.6	254
1996	9	59	6	2	180	41	29.08	73	59.37	10/9/1996	11:19	0.3	17	6.6	294
1996	9	59	6	2	181	41	29.04	73	59.33	10/9/1996	11:43	0.3	18.1	6.8	270
1996	9	61	4	2	174	41	31.15	74	0.37	10/9/1996	11:06	0.3	19	6.5	254
1996	9	65	4	2	162	41	33.99	73	58.39	10/9/1996	10:45	0.3	19.1	6.7	248
1996	9	66	4	2	160	41	34.777	73	57.753	10/9/1996	10:28	0.3	19	6.6	254
1996	9	72	4	2	151	41	40.04	73	57.11	10/9/1996	9:50	0.3	18.4	6.7	244
1996	9	72	6	2	152	41	39.77	73	56.55	10/9/1996	10:05	0.3	18.6	6.9	248
1996	9	74	6	2	148	41	41.15	73	56.31	10/9/1996	9:15	0.3	18.2	6.6	250
1996	9	77	6	2	140	41	44.56	73	56.17	10/9/1996	8:48	0.3	17.7	7.1	239
1996	9	77	6	2	143	41	43.83	73	56.16	10/9/1996	8:56	0.3	18	6.8	242
1996	9	78	4	2	139	41	44.786	73	56.758	10/9/1996	8:40	0.3	17.4	7.6	243
1996	9	83	4	2	131	41	49.33	73	57.31	10/9/1996	8:17	0.3	16.9	7.7	247
1996	9	83	4	2	133	41	48.74	73	57.19	10/9/1996	8:24	0.3	16.8	7.5	246
1996	9	88	6	4	122	41	53.023	73	56.214	10/8/1996	15:56	0.3	17	7	248
1996	9	89	6	4	121	41	53.84	73	57.04	10/8/1996	15:44	0.3	17	7.2	248
1996	9	90	6	4	120	41	54.02	73	57.2	10/8/1996	15:37	0.3	17.3	7	240
1996	9	92	4	4	118	41	56.32	73	58.1	10/8/1996	15:02	0.3	16.6	6.6	259
1996	9	93	6	4	117	41	57.036	73	56.721	10/8/1996	14:50	0.3	17.5	7	239

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1996	9	94	6	4	114	41	58.085	73	56.467	10/8/1996	14:35	0.3	17.2	7	239
1996	9	95	4	4	111	41	59.083	73	57.079	10/8/1996	14:03	0.3	16.4	6.7	239
1996	9	95	6	4	112	41	58.238	73	56.123	10/8/1996	14:25	0.3	17.2	6.9	239
1996	9	96	6	4	109	41	59.43	73	56.012	10/8/1996	14:13	0.3	17	7.1	238
1996	9	97	4	4	103	42	0.5	73	56.51	10/8/1996	13:53	0.3	16.8	7.4	237
1996	9	98	4	2	101	42	1.426	73	56.456	10/8/1996	13:43	0.3	16.5	7	237
1996	9	105	4	2	97	42	7.68	73	55.13	10/8/1996	13:05	0.3	16.5	6.7	243
1996	9	105	4	2	98	42	7.33	73	55.3	10/8/1996	13:15	0.3	16.3	7.3	243
1996	9	106	4	2	96	42	8.147	73	54.796	10/8/1996	12:57	0.3	16.6	6.1	243
1996	9	110	6	2	90	42	11.04	73	51.38	10/8/1996	12:41	0.3	16.4	6.8	251
1996	9	113	6	2	87	42	13.32	73	50.85	10/8/1996	12:29	0.3	16.3	7.8	257
1996	9	114	4	2	81	42	14.39	73	50.549	10/8/1996	11:56	0.3	16.5	7	261
1996	9	114	4	2	83	42	14.26	73	50.71	10/8/1996	12:06	0.3	16.4	7.8	264
1996	9	114	6	2	84	42	14.02	73	50.18	10/8/1996	12:20	0.3	16.5	6.7	248
1996	9	116	6	2	77	42	15.02	73	48.31	10/8/1996	11:45	0.3	16.9	6.6	261
1996	9	121	6	2	66	42	19.33	73	46.85	10/8/1996	11:04	0.3	16.9	6.7	260
1996	9	122	4	2	61	42	20.29	73	47.24	10/8/1996	10:54	0.3	16.9	7.4	269
1996	9	124	4	2	55	42	21.64	73	47.62	10/8/1996	10:32	0.3	17.3	6.9	258
1996	9	124	6	2	56	42	21.49	73	47.29	10/8/1996	10:43	0.3	16.4	6.6	263
1996	9	138	4	4	21	42	33.51	73	45.33	10/8/1996	9:47	0.3	15.2	8.9	244
1996	9	138	4	4	23	42	33.14	73	45.46	10/8/1996	9:58	0.3	16.2	7.4	240
1996	9	139	4	4	15	42	34.32	73	45.25	10/8/1996	9:22	0.3	15.9	7.6	240
1996	9	139	4	4	19	42	34.03	73	45.26	10/8/1996	9:35	0.3	15.8	9.5	242
1996	9	139	6	4	14	42	34.34	73	45.02	10/8/1996	9:09	0.3	16	8.7	242
1996	9	140	4	4	10					10/8/1996	8:43	0.3	15.6	8.6	258
1996	9	140	4	4	13	42	34.59	73	45.25	10/8/1996	8:56	0.3	15.7	9.4	247
1996	10	14	4	4	265					10/21/1996	11:55	0.3	17	10.9	11906
1996	10	15	4	4	264	40	53.57	73	56.32	10/21/1996	11:43	0.3	17.2	10.8	11737
1996	10	18	4	4	260	40	56.889	73	55.1	10/21/1996	12:16	0.3	17.8	11.4	9616
1996	10	19	6	4	259	40	57.735	73	53.561	10/21/1996	11:30	0.3	17.5	11.2	10728
1996	10	23	6	4	255	41	0.74	73	52.83	10/21/1996	11:13	0.3	17	11.1	9430
1996	10	24	6	4	252	41	2.057	73	52.505	10/21/1996	10:50	0.3	17.8	11.8	9268
1996	10	24	6	4	253	41	1.169	73	52.711	10/21/1996	11:00	0.3	17.5	11.7	9328
1996	10	25	4	4	250	41	2.86	73	55.07	10/21/1996	13:00	0.3	17.6	10.8	8145
1996	10	25	4	4	270	41	2.783	73	55.05	10/21/1996	12:46	0.3	17.2	10.8	8450
1996	10	25	6	4	251	41	2.46	73	52.42	10/21/1996	10:34	0.3	17.1	10	9410
1996	10	26	4	4	246	41	3.6	73	55.2	10/21/1996	13:20	0.3	17	10.2	7309
1996	10	26	4	4	271	41	3.77	73	55.22	10/21/1996	13:27	0.3	17.1	10.2	7293
1996	10	26	4	4	283	41	8.34	73	54.4	10/21/1996	13:12	0.3	17.7	10.5	7314
1996	10	26	6	4	247	41	3.891	73	52.077	10/21/1996	10:03	0.3	17	11	7309
1996	10	26	6	4	248	41	3.273	73	52.221	10/21/1996	10:12	0.3	17.1	11	8234
1996	10	26	6	4	249	41	2.67	73	52.3	10/21/1996	10:24	0.3	17	11	8252
1996	10	27	4	4	245	41	4.19	73	55.21	10/21/1996	13:40	0.3	17.1	11	6940

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1996	10	27	4	4	272	41	4.49	73	55.14	10/21/1996	13:53	0.3	18.3	10.2	6303
1996	10	28	6	4	243	41	5.683	73	52.214	10/21/1996	9:40	0.3	16.8	9.1	5446
1996	10	28	6	4	244	41	5.33	73	52.33	10/21/1996	9:51	0.3	16.8	9.2	5565
1996	10	29	4	2	242	41	6.1	73	54.88	10/21/1996	14:10	0.3	19	9.5	5645
1996	10	30	4	2	241	41	7.14	73	54.77	10/21/1996	14:21	0.3	19.2	9.2	5149
1996	10	31	4	2	285	41	3.607	73	55.196	10/21/1996	14:41	0.3	19	9.8	4064
1996	10	32	4	2	239	41	8.81	73	54.6	10/21/1996	15:01	0.3	19	10	3839
1996	10	32	4	2	240	41	8.48	73	54.42	10/21/1996	14:50	0.3	19	9.8	4121
1996	10	32	6	4	237	41	9.274	73	52.181	10/21/1996	9:18	0.3	16.4	10.5	5972
1996	10	32	6	4	238	41	8.85	73	52.123	10/21/1996	9:28	0.3	17.6	10.8	6283
1996	10	32	6	4	269	41	9.445	73	52.243	10/21/1996	9:10	0.3	16.5	10.5	5899
1996	10	33	6	4	236	41	9.79	73	52.202	10/21/1996	9:00	0.3	16.8	11.4	5920
1996	10	34	6	4	235	41	10.632	73	52.59	10/21/1996	8:47	0.3	15.5	11.5	4812
1996	10	35	4	2	229	41	10.59	73	56.41	10/21/1996	16:50	0.3	18.2	9.8	3101
1996	10	35	4	2	230	41	10.59	73	56.39	10/21/1996	16:41	0.3	18.2	9.8	3193
1996	10	35	6	2	231	41	11.23	73	53.69	10/21/1996	15:35	0.3	19	10.6	4968
1996	10	35	6	2	232	41	11.172	73	53.996	10/21/1996	15:12	0.3	18.8	10.3	4876
1996	10	35	6	2	274	41	11.17	73	53.71	10/21/1996	15:25	0.3	18.8	10.2	4876
1996	10	35	6	2	275	41	11.31	73	53.54	10/21/1996	15:43	0.3	19	10.5	5024
1996	10	36	4	2	281	41	11.13	73	57.16	10/21/1996	17:00	0.3	18	9.5	3288
1996	10	36	4	2	282	41	11.2	73	57.17	10/21/1996	17:10	0.3	18	9.5	3230
1996	10	36	6	2	228	41	12.25	73	53.5	10/21/1996	16:03	0.3	18	10	5306
1996	10	36	6	2	276	41	12.17	73	53.51	10/21/1996	15:58	0.3	18	9.9	5364
1996	10	38	4	4	223	41	12.89	73	57.806	10/23/1996	15:01	0.3	18	9.2	1419
1996	10	38	4	4	278	41	12.96	73	57.828	10/23/1996	14:51	0.3	17.5	9	1283
1996	10	38	4	4	280	41	13.4	73	57.81	10/23/1996	14:40	0.3	17.5	8.9	1224
1996	10	39	4	4	215	41	13.62	73	58.34	10/23/1996	14:24	0.3	16.5	9.5	775
1996	10	39	4	4	216	41	13.48	73	57.84	10/23/1996	14:32	0.3	16	9.2	9640
1996	10	39	6	2	219					10/21/1996	16:24	0.3	18.8	9.5	3538
1996	10	42	4	4	206	41	16.412	73	58.1	10/23/1996	14:04	0.3	16	9.5	482
1996	10	43	6	4	205	41	16.413	73	56.551	10/23/1996	15:20	0.3	16.5	8.5	542
1996	10	48	4	4	197	41	20.86	73	58.08	10/23/1996	13:35	0.3	16.1	9.4	325
1996	10	52	6	4	193	41	24.12	73	57.31	10/23/1996	13:06	0.3	16.2	9.5	288
1996	10	52	6	4	194	41	24.12	73	56.81	10/23/1996	13:18	0.3	16.3	9.5	299
1996	10	53	6	4	191	41	24.882	73	57.554	10/23/1996	12:54	0.3	16	9.8	325
1996	10	55	6	4	189	41	25.66	73	58.14	10/23/1996	12:42	0.3	15.8	9.8	315
1996	10	56	4	4	188	41	26.47	73	59.66	10/23/1996	12:28	0.3	13.8	9.8	316
1996	10	57	4	4	186	41	27.28	74	0.8	10/23/1996	12:15	0.3	14.6	10.5	298
1996	10	58	4	4	183	41	28.02	74	0.87	10/23/1996	12:03	0.3	14.7	10.5	298
1996	10	59	6	4	179	41	29.24	73	59.34	10/23/1996	11:40	0.3	13.8	10.3	316
1996	10	59	6	4	180	41	29.08	73	59.37	10/23/1996	11:49	0.3	14	10	328
1996	10	61	4	2	174	41	31.15	74	0.37	10/23/1996	11:26	0.3	14.8	10	309
1996	10	64	4	2	164	41	33.37	73	59.18	10/23/1996	11:12	0.3	14.8	9.5	309

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1996	10	69	6	2	156	41	37.03	73	56.88	10/23/1996	10:40	0.3	13.5	10.5	389
1996	10	69	6	2	158	41	36.94	73	56.81	10/23/1996	10:55	0.3	13.5	10.5	389
1996	10	73	6	2	150	41	40.28	73	56.49	10/23/1996	10:23	0.3	13.8	10.1	291
1996	10	74	6	2	149	41	41.064	73	56.289	10/23/1996	10:09	0.3	13	10.8	322
1996	10	77	6	2	140	41	44.56	73	56.17	10/23/1996	9:44	0.3	12.5	10.8	287
1996	10	77	6	2	141	41	44.46	73	56.21	10/23/1996	9:55	0.3	12.5	10	287
1996	10	83	4	2	131	41	49.33	73	57.31	10/23/1996	9:18	0.3	12.5	11.1	267
1996	10	84	6	2	130	41	50.19	73	56.63	10/23/1996	8:59	0.3	12.2	11.1	289
1996	10	85	6	2	127	41	51.18	73	56.5	10/23/1996	8:39	0.3	12.5	11	261
1996	10	88	6	4	122	41	53.023	73	56.214	10/22/1996	17:10	0.3	14.9	9.8	247
1996	10	89	6	4	121	41	53.84	73	57.04	10/22/1996	16:56	0.3	14.1	9.9	272
1996	10	91	6	4	119	41	55.847	73	56.774	10/22/1996	16:45	0.3	14.2	9.8	270
1996	10	92	4	4	118	41	56.32	73	58.1	10/22/1996	16:33	0.3	14	10	258
1996	10	93	6	4	117	41	57.036	73	56.721	10/22/1996	16:10	0.3	14.1	9.5	258
1996	10	94	4	4	113	41	58.38	73	57.25	10/22/1996	15:40	0.3	14.5	9.5	237
1996	10	94	6	4	114	41	58.085	73	56.467	10/22/1996	15:50	0.3	14	10	252
1996	10	96	4	4	108	41	59.76	73	56.81	10/22/1996	15:29	0.3	14.2	9.1	251
1996	10	97	4	4	102	42	0.83	73	56.38	10/22/1996	15:16	0.3	14	9.9	239
1996	10	98	4	4	100	42	1.67	73	56.54	10/22/1996	14:58	0.3	14	10	227
1996	10	98	4	4	101	42	1.426	73	56.456	10/22/1996	15:08	0.3	14	10	227
1996	10	99	6	4	99	42	2.02	73	55.73	10/22/1996	14:45	0.3	14	9.5	214
1996	10	105	4	4	97	42	7.68	73	55.13	10/22/1996	14:15	0.3	14.7	9.5	223
1996	10	105	4	4	98	42	7.33	73	55.3	10/22/1996	14:26	0.3	14.5	9.5	224
1996	10	109	6	4	92	42	10.27	73	52.32	10/22/1996	13:48	0.3	13.5	9	235
1996	10	109	6	4	93	42	9.91	73	52.81	10/22/1996	14:00	0.3	13.5	9	233
1996	10	114	4	2	81	42	14.39	73	50.549	10/22/1996	13:08	0.3	13.8	10.3	234
1996	10	114	4	2	83	42	14.26	73	50.71	10/22/1996	13:22	0.3	13.8	10.2	222
1996	10	114	6	2	84	42	14.02	73	50.18	10/22/1996	13:37	0.3	14	9.8	233
1996	10	115	6	2	79	42	14.8	73	49	10/22/1996	12:55	0.3	13.5	10	236
1996	10	116	6	2	77	42	15.02	73	48.31	10/22/1996	12:42	0.3	13.8	10.3	228
1996	10	121	6	2	67	42	18.82	73	46.89	10/22/1996	11:43	0.3	13.2	10.6	243
1996	10	123	4	2	60	42	20.64	73	47.39	10/22/1996	11:23	0.3	12.9	10.9	252
1996	10	124	6	2	56	42	21.49	73	47.29	10/22/1996	11:10	0.3	12.2	10.8	263
1996	10	129	6	2	39	42	25.879	73	46.76	10/22/1996	10:50	0.3	12	10.9	269
1996	10	133	4	2	29	42	29.09	73	47.273	10/21/1996	10:32	0.3	11.8	11.4	265
1996	10	142	6	2	8	42	36.82	73	45.4	10/22/1996	9:57	0.3	11.8	11.6	239
1996	10	145	6	2	5	42	39.19	73	44.41	10/22/1996	9:35	0.3	11.5	11.5	227
1996	10	148	6	4	3	42	41.41	73	42.584	10/22/1996	9:21	0.3	11.2	11.8	269
1996	10	149	6	4	2	42	42	73	42.07	10/22/1996	9:10	0.3	11.5	12.2	207
1996	10	151	4	4	1	42	44.51	73	41.196	10/22/1996	8:45	0.3	12	13	224
1997	1	19	6	4	259	40	57.735	73	53.561	6/16/1997	11:59	0.3	21.8	13.8	9046
1997	1	21	6	4	257	40	59.13	73	53.13	6/16/1997	12:12	0.3	21.4	13	9551
1997	1	23	6	4	255	41	0.74	73	52.83	6/16/1997	12:41	0.3	20.6	13.7	9277

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1997	1	24	6	4	253	41	1.169	73	52.711	6/16/1997	12:52	0.3	21.4	14.4	6976
1997	1	25	4	2	270	41	2.783	73	55.05	6/16/1997	11:37	0.3	22	13.1	6359
1997	1	25	6	4	251	41	2.46	73	52.42	6/16/1997	13:02	0.3	21.6	13.5	9084
1997	1	26	4	2	271	41	3.77	73	55.22	6/16/1997	11:28	0.3	21.8	12.5	6385
1997	1	28	6	4	244	41	5.33	73	52.33	6/16/1997	13:17	0.3	22	13.1	6359
1997	1	29	4	2	242	41	6.1	73	54.88	6/16/1997	11:18	0.3	21	11	4978
1997	1	30	4	2	241	41	7.14	73	54.77	6/16/1997	11:06	0.3	21	11	4870
1997	1	32	4	2	240	41	8.48	73	54.42	6/16/1997	10:57	0.3	21	11.6	5249
1997	1	32	6	4	237	41	9.274	73	52.181	6/16/1997	13:33	0.3	22.1	12.3	4971
1997	1	32	6	4	269	41	9.445	73	52.243	6/16/1997	13:42	0.3	22.2	13.5	4802
1997	1	33	6	4	236	41	9.79	73	52.202	6/16/1997	13:52	0.3	23.4	13.2	4530
1997	1	34	6	4	233	41	10.662	73	53.922	6/16/1997	14:07	0.3	22.5	12.9	4720
1997	1	35	4	2	229	41	10.59	73	56.41	6/16/1997	10:42	0.3	19.9	10.4	4685
1997	1	35	4	2	277	41	10.95	73	57.06	6/16/1997	10:33	0.3	20.3	10.3	4701
1997	1	35	6	4	231	41	11.23	73	53.69	6/16/1997	14:20	0.3	21.4	12.5	4293
1997	1	36	4	2	281	41	11.13	73	57.16	6/16/1997	10:25	0.3	20.4	9.1	4767
1997	1	38	4	4	222	41	12.979	73	57.867	6/16/1997	10:09	0.3	20	9.3	4421
1997	1	38	4	4	278	41	12.96	73	57.828	6/16/1997	10:15	0.3	19.9	9.3	4486
1997	1	40	6	4	210	41	14.87	73	57.74	6/16/1997	14:53	0.3	20.4	8.6	3836
1997	1	43	6	4	203	41	16.91	73	56.26	6/16/1997	15:05	0.3	19.2	10.9	4394
1997	1	46	4	4	198	41	19.7	73	59	6/16/1997	15:27	0.3	19.8	9	1609
1997	1	49	4	4	196	41	21.16	73	57.74	6/16/1997	15:46	0.3	20.2	8.9	1156
1997	1	51	6	2	195	41	22.87	73	50.61	6/16/1997	16:02	0.3	22	9	742
1997	1	52	6	2	194	41	24.12	73	56.81	6/16/1997	16:13	0.3	21.5	8.6	750
1997	1	56	4	4	188	41	26.47	73	59.66	6/18/1997	13:10	0.3	19.6	8.3	892
1997	1	58	4	4	184	41	27.78	74	0.7	6/18/1997	12:56	0.3	19.9	8.8	498
1997	1	61	4	2	174	41	31.15	74	0.37	6/18/1997	12:37	0.3	20.2	9	253
1997	1	63	4	2	166					6/18/1997	12:22	0.3	20	9	249
1997	1	69	6	2	156	41	37.03	73	56.88	6/18/1997	11:46	0.3	20.3	8.9	231
1997	1	69	6	2	158	41	36.94	73	56.81	6/18/1997	11:54	0.3	20.3	8.9	231
1997	1	71	4	2	153	41	39.06	73	57.257	6/18/1997	11:30	0.3	19.6	9.3	234
1997	1	72	6	2	152	41	39.77	73	56.55	6/18/1997	11:19	0.3	19.5	8.9	229
1997	1	73	6	2	150	41	40.28	73	56.49	6/18/1997	11:08	0.3	19.7	9	228
1997	1	76	4	2	144					6/18/1997	10:49	0.3	19.8	9.2	233
1997	1	76	6	2	145					6/18/1997	10:36	0.3	19.2	9.8	236
1997	1	77	6	2	140	41	44.56	73	56.17	6/18/1997	10:15	0.3	19.8	8.7	231
1997	1	77	6	2	142	41	43.92	73	56.14	6/18/1997	10:24	0.3	19.8	9.1	233
1997	1	78	4	2	139	41	44.786	73	56.758	6/18/1997	10:05	0.3	19.8	9	239
1997	1	80	6	2	137	41	46.14	73	56.82	6/18/1997	9:51	0.3	20	8.8	238
1997	1	81	4	2	135	41	47.474	73	57.457	6/18/1997	9:36	0.3	20.1	9.2	237
1997	1	83	4	2	131	41	49.33	73	57.31	6/18/1997	9:22	0.3	20.2	8.8	237
1997	1	84	4	2	129	41	50.61	73	57.28	6/18/1997	9:00	0.3	20.4	8.7	225
1997	1	84	6	2	130	41	50.19	73	56.63	6/18/1997	9:10	0.3	20.4	8.4	230

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1997	1	86	4	2	126	41	51.44	73	56.97	6/18/1997	8:48	0.3	20.1	9.3	243
1997	1	86	6	2	125	41	51.75	73	55.89	6/18/1997	8:36	0.3	20.4	8.7	258
1997	1	88	6	2	122	41	53.023	73	56.214	6/18/1997	8:22	0.3	20.3	9.6	264
1997	1	89	6	4	121	41	53.84	73	57.04	6/17/1997	18:02	0.3	20.7	8.6	223
1997	1	90	6	4	120	41	54.02	73	57.2	6/17/1997	17:54	0.3	20.6	8.6	224
1997	1	92	4	4	118	41	56.32	73	58.1	6/17/1997	17:38	0.3	20.8	8.8	228
1997	1	93	4	4	116	41	57.05	73	57.77	6/17/1997	17:26	0.3	20.8	8.6	234
1997	1	93	6	4	117	41	57.036	73	56.721	6/17/1997	17:17	0.3	20.8	9	223
1997	1	94	6	4	114	41	58.085	73	56.467	6/17/1997	17:06	0.3	20.9	9.6	228
1997	1	95	6	4	112	41	58.238	73	56.123	6/17/1997	16:56	0.3	20.8	8.3	228
1997	1	96	4	4	105	42	0.22	73	56.65	6/17/1997	16:00	0.3	20.8	8.4	228
1997	1	96	4	4	108	41	59.76	73	56.81	6/17/1997	16:08	0.3	20.8	8.3	228
1997	1	96	4	4	110	41	59.4	73	56.94	6/17/1997	16:18	0.3	20.8	8.7	228
1997	1	96	6	4	107	41	59.89	73	55.93	6/17/1997	16:28	0.3	20.5	9.1	230
1997	1	96	6	4	109	41	59.43	73	56.012	6/17/1997	16:41	0.3	20.9	8.9	228
1997	1	97	4	4	102	42	0.83	73	56.38	6/17/1997	15:43	0.3	20.7	8.8	229
1997	1	97	4	4	103	42	0.5	73	56.51	6/17/1997	15:52	0.3	20.7	9	234
1997	1	98	4	4	100	42	1.67	73	56.54	6/17/1997	15:26	0.3	20.7	8.6	229
1997	1	98	4	4	101	42	1.426	73	56.456	6/17/1997	15:34	0.3	20.6	8.6	229
1997	1	99	6	4	99	42	2.02	73	55.73	6/17/1997	15:14	0.3	20.7	8.8	229
1997	1	105	4	4	97	42	7.68	73	55.13	6/17/1997	14:45	0.3	20.8	9	239
1997	1	105	4	4	98	42	7.33	73	55.3	6/17/1997	14:56	0.3	20.6	8.9	238
1997	1	106	4	4	96	42	8.147	73	54.796	6/17/1997	14:35	0.3	20.8	8.8	239
1997	1	109	6	4	92	42	10.27	73	52.32	6/17/1997	14:18	0.3	21	9.8	238
1997	1	111	6	4	89					6/17/1997	14:10	0.3	19.4	10.1	269
1997	1	112	4	4	88	42	12.69	73	51.26	6/17/1997	13:57	0.3	21.2	9.1	237
1997	1	114	4	2	81	42	14.39	73	50.549	6/17/1997	13:09	0.3	21.8	9.6	234
1997	1	114	4	2	82	42	14.31	73	50.58	6/17/1997	13:19	0.3	21.9	9.6	234
1997	1	114	4	2	83	42	14.26	73	50.71	6/17/1997	13:27	0.3	21.6	9.8	235
1997	1	114	6	4	84	42	14.02	73	50.18	6/17/1997	13:40	0.3	21.4	9.4	235
1997	1	114	6	4	85	42	13.54	73	50.75	6/17/1997	13:48	0.3	21.4	9.3	236
1997	1	115	6	2	79	42	14.8	73	49	6/17/1997	12:58	0.3	21.2	9.8	235
1997	1	116	6	2	77	42	15.02	73	48.31	6/17/1997	12:49	0.3	21.3	8.7	234
1997	1	118	4	2	75	42	16.12	73	47.49	6/17/1997	12:08	0.3	21.2	9	237
1997	1	119	6	2	71	42	17.16	73	46.8	6/17/1997	11:55	0.3	20.7	9.1	240
1997	1	121	4	2	68	42	18.53	73	47.1	6/17/1997	11:45	0.3	21.4	8.3	236
1997	1	121	6	2	67	42	18.82	73	46.89	6/17/1997	11:39	0.3	21.2	8.2	237
1997	1	122	4	2	61	42	20.29	73	47.24	6/17/1997	11:29	0.3	21.3	7.7	234
1997	1	123	4	2	59					6/17/1997	11:15	0.3	21.6	7.8	224
1997	1	123	4	2	60	42	20.64	73	47.39	6/17/1997	11:22	0.3	21.7	7.8	224
1997	1	124	4	2	55	42	21.64	73	47.62	6/17/1997	10:56	0.3	21	7.8	254
1997	1	124	6	2	57	42	21.28	73	47.32	6/17/1997	11:06	0.3	21.8	7.4	245
1997	1	129	6	2	39	42	25.879	73	46.76	6/17/1997	10:38	0.3	21.9	6.9	271

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1997	1	134	4	2	28	42	30.027	73	46.913	6/17/1997	10:22	0.3	22	6.9	265
1997	1	138	4	2	20	42	33.5	73	45.35	6/17/1997	9:45	0.3	19.6	8.1	262
1997	1	138	4	2	23	42	33.14	73	45.46	6/17/1997	9:55	0.3	19.8	8	261
1997	1	139	4	2	15	42	34.32	73	45.25	6/17/1997	9:31	0.3	21.6	7.5	267
1997	1	143	4	2	6	42	38.03	73	45.23	6/17/1997	9:09	0.3	21.6	7.4	267
1997	1	143	6	2	7	42	37.48	73	45.14	6/17/1997	9:23	0.3	21.8	7.3	266
1997	1	145	6	2	4	42	39.51	73	44.09	6/17/1997	8:42	0.3	22	5.7	276
1997	1	145	6	4	5	42	39.19	73	44.41	6/17/1997	8:52	0.3	21.8	7.5	277
1997	1	148	6	2	3	42	41.41	73	42.584	6/17/1997	8:30	0.3	21.3	7.7	253
1997	1	149	6	2	2	42	42	73	42.07	6/17/1997	8:21	0.3	21.3	7.7	253
1997	1	151	4	2	1	42	44.51	73	41.196	6/17/1997	8:03	0.3	21.2	8	216
1997	2	15	4	4	263	40	54.252	73	55.961	7/2/1997	10:25	0.3	23.6	5.6	20299
1997	2	16	4	4	262	40	54.9	73	55.7	7/2/1997	10:12	0.3	23.7	5.6	19950
1997	2	23	6	4	254	41	1.086	73	52.681	7/2/1997	10:57	0.3	23.9	5.1	11208
1997	2	25	4	2	250	41	2.86	73	55.07	7/2/1997	9:37	0.3	24.8	6	12503
1997	2	26	4	2	246	41	3.6	73	55.2	7/2/1997	9:06	0.3	24.6	6	13157
1997	2	26	4	2	283	41	8.34	73	54.4	7/2/1997	9:21	0.3	24.9	6.2	12976
1997	2	26	6	4	247	41	3.891	73	52.077	7/2/1997	11:22	0.3	24.3	6.4	14552
1997	2	27	4	2	245	41	4.19	73	55.21	7/2/1997	8:54	0.3	24.5	6.1	13080
1997	2	28	6	4	243	41	5.683	73	52.214	7/2/1997	11:32	0.3	24.5	6.3	12077
1997	2	29	4	2	242	41	6.1	73	54.88	7/2/1997	8:34	0.3	24.3	6.3	10004
1997	2	31	4	2	285	41	3.607	73	55.196	7/2/1997	8:18	0.3	24.1	6.3	10654
1997	2	32	4	2	239	41	8.81	73	54.6	7/2/1997	7:58	0.3	24.1	6.4	8929
1997	2	32	4	2	240	41	8.48	73	54.42	7/2/1997	8:09	0.3	24.1	6.3	10451
1997	2	32	6	4	238	41	8.85	73	52.123	7/2/1997	12:04	0.3	24.8	8	9502
1997	2	34	6	4	234	41	10.19	73	53.93	7/2/1997	12:28	0.3	24.3	8.4	9196
1997	2	35	6	4	232	41	11.172	73	53.996	7/2/1997	12:45	0.3	25.2	8.1	8036
1997	2	36	4	2	227	41	11.02	73	57.41	7/2/1997	7:40	0.3	24.2	6.4	8202
1997	2	36	4	2	282	41	11.2	73	57.17	7/2/1997	7:25	0.3	24.2	6.4	8101
1997	2	38	4	2	221	41	13.43	73	57.79	7/2/1997	7:00	0.3	24	6.8	7118
1997	2	38	4	2	279	41	13.36	73	57.82	7/2/1997	7:13	0.3	24	6.9	7118
1997	2	38	4	2	280	41	13.4	73	57.81	7/2/1997	6:50	0.3	23.9	6.8	6928
1997	2	43	6	2	205	41	16.413	73	56.551	7/1/1997	19:30	0.3	24.3	8	3941
1997	2	44	6	2	201	41	17.74	73	56.87	7/1/1997	19:12	0.3	23.9	8	3974
1997	2	46	6	2	199	41	19.42	73	58.77	7/1/1997	18:50	0.3	23.4	7.5	1750
1997	2	51	6	2	195	41	22.87	73	50.61	7/1/1997	18:24	0.3	24.9	7.9	1617
1997	2	52	6	2	193	41	24.12	73	57.31	7/1/1997	18:15	0.3	23.7	7.8	1279
1997	2	53	4	2	192	41	24.19	73	57.95	7/1/1997	18:00	0.3	23.8	7.6	1276
1997	2	56	4	2	187	41	26.83	74	0.5	7/1/1997	17:38	0.3	25	8	797
1997	2	58	4	4	183	41	28.02	74	0.87	7/1/1997	17:20	0.3	25.1	8.3	557
1997	2	59	6	4	180	41	29.08	73	59.37	7/1/1997	17:01	0.3	24.8	7.3	360
1997	2	62	4	4	171	41	32.19	73	59.91	7/1/1997	16:32	0.3	24.6	7.3	352
1997	2	64	4	4	164	41	33.37	73	59.18	7/1/1997	16:10	0.3	25.9	8	284

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1997	2	69	4	4	155	41	37.44	73	57.43	7/1/1997	15:29	0.3	24.5	8.1	224
1997	2	69	6	4	156	41	37.03	73	56.88	7/1/1997	15:44	0.3	25.2	7.8	317
1997	2	72	4	4	151	41	40.04	73	57.11	7/1/1997	14:49	0.3	24.1	8.2	213
1997	2	72	6	4	152	41	39.77	73	56.55	7/1/1997	15:08	0.3	24.2	8	218
1997	2	74	4	4	147	41	41.29	73	56.8	7/1/1997	14:15	0.3	24.8	8.6	210
1997	2	74	6	4	148	41	41.15	73	56.31	7/1/1997	14:32	0.3	25	8.4	219
1997	2	77	6	4	140	41	44.56	73	56.17	7/1/1997	13:31	0.3	24	7.7	214
1997	2	77	6	4	142	41	43.92	73	56.14	7/1/1997	13:44	0.3	24.3	7.7	214
1997	2	77	6	4	143	41	43.83	73	56.16	7/1/1997	13:57	0.3	25.7	7.4	236
1997	2	80	6	2	137	41	46.14	73	56.82	7/1/1997	13:07	0.3	24.2	7.7	213
1997	2	81	4	2	135	41	47.474	73	57.457	7/1/1997	12:36	0.3	25.5	7.6	217
1997	2	82	4	2	134	41	48.51	73	57.22	7/1/1997	12:19	0.3	24.6	7.2	215
1997	2	83	4	2	133	41	48.74	73	57.19	7/1/1997	12:00	0.3	25.2	7.8	218
1997	2	85	6	2	127	41	51.18	73	56.5	7/1/1997	11:44	0.3	24.3	7	227
1997	2	86	4	2	126	41	51.44	73	56.97	7/1/1997	11:25	0.3	21.1	7	243
1997	2	86	6	2	125	41	51.75	73	55.89	7/1/1997	11:09	0.3	24.8	7	225
1997	2	88	6	2	122	41	53.023	73	56.214	7/1/1997	10:53	0.3	24.5	6.9	226
1997	2	89	6	2	121	41	53.84	73	57.04	7/1/1997	10:35	0.3	24.1	7	231
1997	2	90	6	2	120	41	54.02	73	57.2	7/1/1997	10:25	0.3	24.2	7	228
1997	2	92	4	2	118	41	56.32	73	58.1	7/1/1997	8:10	0.3	23.8	7.3	240
1997	2	93	4	2	116	41	57.05	73	57.77	7/1/1997	8:28	0.3	23.8	7.4	240
1997	2	93	6	2	117	41	57.036	73	56.721	7/1/1997	10:03	0.3	23.9	7.2	242
1997	2	94	4	2	115	41	57.78	73	57.47	7/1/1997	8:40	0.3	23.5	7.5	236
1997	2	94	6	2	114	41	58.085	73	56.467	7/1/1997	9:49	0.3	24	7	239
1997	2	95	4	2	111	41	59.083	73	57.079	7/1/1997	8:54	0.3	24.4	7.2	237
1997	2	95	6	2	112	41	58.238	73	56.123	7/1/1997	9:34	0.3	24	7.1	238
1997	2	96	4	2	105	42	0.22	73	56.65	6/30/1997	19:11	0.3	26	7.9	244
1997	2	96	4	2	108	41	59.76	73	56.81	6/30/1997	19:25	0.3	26	8	244
1997	2	96	4	2	110	41	59.4	73	56.94	7/1/1997	9:15	0.3	24.2	7.2	238
1997	2	97	4	2	102	42	0.83	73	56.38	6/30/1997	18:48	0.3	25.8	7.8	245
1997	2	97	4	2	103	42	0.5	73	56.51	6/30/1997	19:00	0.3	26.2	7.9	243
1997	2	98	4	2	100	42	1.67	73	56.54	6/30/1997	18:30	0.3	24.9	7.1	240
1997	2	98	4	2	101	42	1.426	73	56.456	6/30/1997	18:39	0.3	24.9	7.4	248
1997	2	99	6	4	99	42	2.02	73	55.73	6/30/1997	18:16	0.3	26	8.4	244
1997	2	105	4	4	97	42	7.68	73	55.13	6/30/1997	17:35	0.3	26.2	8.8	253
1997	2	105	4	4	98	42	7.33	73	55.3	6/30/1997	17:50	0.3	25.7	7.4	259
1997	2	106	4	4	96	42	8.147	73	54.796	6/30/1997	17:19	0.3	25.4	8.5	316
1997	2	108	6	4	94	42	9.56	73	53.18	6/30/1997	17:04	0.3	25.8	8.3	260
1997	2	113	4	4	86	42	13.12	73	51.33	6/30/1997	16:04	0.3	26.9	9.9	247
1997	2	114	4	4	82	42	14.31	73	50.58	6/30/1997	15:43	0.3	26.4	8.9	252
1997	2	114	6	4	85	42	13.54	73	50.75	6/30/1997	15:54	0.3	27	8.9	249
1997	2	115	6	4	80	42	14.8	73	49.1	6/30/1997	15:27	0.3	26	8.1	249
1997	2	116	6	4	77	42	15.02	73	48.31	6/30/1997	14:58	0.3	25.7	9	260

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	2	117	4	4	76	42	15.84	73	47.69	6/30/1997	14:43	0.3	27.4	10.1	242
1997	2	118	4	4	73	42	16.76	73	47.67	6/30/1997	14:13	0.3	27	8.3	244
1997	2	118	4	4	75	42	16.12	73	47.49	6/30/1997	14:23	0.3	27.3	8.4	242
1997	2	119	4	4	72	42	16.82	73	47.28	6/30/1997	14:04	0.3	27.3	10.1	242
1997	2	119	6	4	71	42	17.16	73	46.8	6/30/1997	13:50	0.3	28.4	9	251
1997	2	121	4	4	65	42	19.307	73	47.217	6/30/1997	13:18	0.3	26.1	9.1	248
1997	2	121	6	4	66	42	19.33	73	46.85	6/30/1997	13:28	0.3	26.9	9.1	244
1997	2	121	6	4	67	42	18.82	73	46.89	6/30/1997	13:33	0.3	26.8	9.1	245
1997	2	122	4	2	61	42	20.29	73	47.24	6/30/1997	12:41	0.3	26.2	9.8	151
1997	2	122	4	4	63	42	19.84	73	47.18	6/30/1997	13:09	0.3	27	9	244
1997	2	122	6	2	62	42	20.105	73	46.848	6/30/1997	12:50	0.3	26.1	9.7	248
1997	2	122	6	2	64	42	19.9	73	46.8	6/30/1997	12:57	0.3	26.2	9.8	248
1997	2	124	6	2	56	42	21.49	73	47.29	6/30/1997	12:28	0.3	26.1	10.1	253
1997	2	128	4	2	44	42	25	73	46.99	6/30/1997	12:06	0.3	27.1	11.4	253
1997	2	129	6	2	40	42	25.67	73	46.67	6/30/1997	11:52	0.3	25.8	7.7	255
1997	2	131	4	2	33	42	28.06	73	47.13	6/30/1997	11:24	0.3	26.4	7.3	252
1997	2	131	4	2	35	42	27.8	73	47.1	6/30/1997	11:34	0.3	25.5	8.6	256
1997	2	132	4	2	30					6/30/1997	11:12	0.3	25.7	7.4	255
1997	2	139	4	2	18	42	34.14	73	45.24	6/30/1997	10:50	0.3	26	8.3	244
1997	2	140	4	2	13	42	34.59	73	45.25	6/30/1997	10:36	0.3	25.8	7	245
1997	2	145	6	2	4	42	39.51	73	44.09	6/30/1997	9:59	0.3	25	7	129
1997	2	145	6	2	5	42	39.19	73	44.41	6/30/1997	10:13	0.3	24.8	7.4	140
1997	2	148	6	2	3	42	41.41	73	42.584	6/30/1997	9:42	0.3	25	7.1	239
1997	2	149	6	2	2	42	42	73	42.07	6/30/1997	9:32	0.3	24.8	8	230
1997	2	151	4	4	1	42	44.51	73	41.196	6/30/1997	9:01	0.3	24.8	7.5	235
1997	3	19	6	4	259	40	57.735	73	53.561	7/16/1997	10:59	0.3	26.6	8.2	13593
1997	3	20	6	4	258	40	57.73	73	53.661	7/16/1997	10:46	0.3	26.2	8.5	13802
1997	3	22	6	4	257	40	59.13	73	53.13	7/16/1997	10:24	0.3	25.9	8.9	12713
1997	3	25	4	2	250	41	2.86	73	55.07	7/16/1997	10:02	0.3	26.5	7.5	10240
1997	3	25	6	4	251	41	2.46	73	52.42	7/16/1997	11:17	0.3	26.5	8.8	12558
1997	3	26	4	2	271	41	3.77	73	55.22	7/16/1997	9:48	0.3	26	7.9	9369
1997	3	28	6	4	244	41	5.33	73	52.33	7/16/1997	11:36	0.3	26.5	9.3	10530
1997	3	29	4	2	242	41	6.1	73	54.88	7/16/1997	9:25	0.3	26.2	7.5	8942
1997	3	30	4	2	241	41	7.14	73	54.77	7/16/1997	9:04	0.3	26.1	7.6	8766
1997	3	31	4	2	285	41	3.607	73	55.196	7/16/1997	8:51	0.3	26.1	7.8	9155
1997	3	32	4	2	239	41	8.81	73	54.6	7/16/1997	8:23	0.3	26.5	7.6	9467
1997	3	32	4	2	240	41	8.48	73	54.42	7/16/1997	8:38	0.3	25.9	7.8	9290
1997	3	32	6	4	237	41	9.274	73	52.181	7/16/1997	11:59	0.3	28	9.8	8527
1997	3	33	6	4	236	41	9.79	73	52.202	7/16/1997	12:14	0.3	28.6	9.3	8239
1997	3	35	4	2	229	41	10.59	73	56.41	7/16/1997	7:55	0.3	26.1	7	7986
1997	3	35	4	2	230	41	10.59	73	56.39	7/16/1997	8:05	0.3	26.1	7.3	7986
1997	3	35	6	4	275	41	11.31	73	53.54	7/16/1997	12:39	0.3	27.5	6.8	7573
1997	3	36	6	4	276	41	12.17	73	53.51	7/16/1997	12:53	0.3	28.6	9.2	6758

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1997	3	37	4	2	225	41	12.096	73	57.458	7/16/1997	7:43	0.3	26	7.3	7905
1997	3	38	4	2	223	41	12.89	73	57.806	7/16/1997	7:30	0.3	25.9	7	7921
1997	3	38	4	2	280	41	13.4	73	57.81	7/16/1997	7:18	0.3	25.1	6.9	8151
1997	3	43	6	2	204	41	16.693	73	56.484	7/15/1997	18:54	0.3	29	11.3	4591
1997	3	46	4	2	198	41	19.7	73	59	7/15/1997	18:18	0.3	26.4	6.9	2633
1997	3	46	4	2	200					7/15/1997	18:34	0.3	26	7	4977
1997	3	49	4	2	196	41	21.16	73	57.74	7/15/1997	18:00	0.3	26.4	7.2	1859
1997	3	52	6	4	193	41	24.12	73	57.31	7/15/1997	17:40	0.3	28.1	7.2	1421
1997	3	55	6	4	189	41	25.66	73	58.14	7/15/1997	17:25	0.3	27.2	7.6	657
1997	3	57	4	4	185	41	27.68	74	0.73	7/15/1997	16:50	0.3	28	6.9	423
1997	3	57	4	4	186	41	27.28	74	0.8	7/15/1997	16:59	0.3	28.1	7	439
1997	3	59	6	4	179	41	29.24	73	59.34	7/15/1997	16:39	0.3	29	6.9	423
1997	3	63	6	4	166					7/15/1997	16:20	0.3	28.7	7.2	268
1997	3	64	4	4	163	41	33.48	73	59.05	7/15/1997	16:02	0.3	31.2	8.3	307
1997	3	69	4	4	155	41	37.44	73	57.43	7/15/1997	15:36	0.3	27.9	10.9	258
1997	3	71	4	4	154	41	38.88	73	57.23	7/15/1997	15:16	0.3	27	7.2	277
1997	3	72	5	4	152	41	39.77	73	56.55	7/15/1997	15:05	0.3	27	7	259
1997	3	73	6	4	150	41	40.28	73	56.49	7/15/1997	14:41	0.3	27.9	7.8	270
1997	3	74	6	4	149	41	41.064	73	56.289	7/15/1997	14:25	0.3	27.8	7.5	256
1997	3	76	4	4	144					7/15/1997	14:05	0.3	26.5	7	263
1997	3	80	6	4	137	41	46.14	73	56.82	7/15/1997	13:41	0.3	26.9	7	268
1997	3	81	4	2	135	41	47.474	73	57.457	7/15/1997	13:27	0.3	26.8	7.4	278
1997	3	82	4	2	134	41	48.51	73	57.22	7/15/1997	13:18	0.3	26.8	7.3	280
1997	3	83	4	2	131	41	49.33	73	57.31	7/15/1997	12:50	0.3	27.1	7.1	278
1997	3	83	4	2	133	41	48.74	73	57.19	7/15/1997	13:07	0.3	27.2	7.5	279
1997	3	84	4	2	129	41	50.61	73	57.28	7/15/1997	12:36	0.3	27.2	7.4	279
1997	3	85	4	2	128					7/15/1997	12:24	0.3	27.1	7.4	277
1997	3	85	6	2	127	41	51.18	73	56.5	7/15/1997	12:09	0.3	26.2	7.2	273
1997	3	86	6	2	125	41	51.75	73	55.89	7/15/1997	11:47	0.3	26.9	7	278
1997	3	88	6	2	122	41	53.023	73	56.214	7/15/1997	11:35	0.3	26.3	7.5	281
1997	3	89	6	2	121	41	53.84	73	57.04	7/15/1997	11:23	0.3	26.6	7.2	280
1997	3	90	6	2	120	41	54.02	73	57.2	7/15/1997	11:10	0.3	26.7	7.3	280
1997	3	91	6	2	119	41	55.847	73	56.774	7/15/1997	10:55	0.3	26.5	7	288
1997	3	92	4	4	118	41	56.32	73	58.1	7/15/1997	7:14	0.3	25.2	7	280
1997	3	93	4	2	116	41	57.05	73	57.77	7/15/1997	7:32	0.3	25.8	7	260
1997	3	93	6	2	117	41	57.036	73	56.721	7/15/1997	10:45	0.3	26.4	7.5	288
1997	3	94	4	2	113	41	58.38	73	57.25	7/15/1997	8:10	0.3	25.9	6.9	282
1997	3	94	4	2	115	41	57.78	73	57.47	7/15/1997	7:51	0.3	25.4	7	258
1997	3	94	6	2	114	41	58.085	73	56.467	7/15/1997	10:33	0.3	26.3	7	288
1997	3	95	4	2	111	41	59.083	73	57.079	7/15/1997	8:28	0.3	26	7	283
1997	3	95	6	2	112	41	58.238	73	56.123	7/15/1997	10:19	0.3	26.3	7	289
1997	3	96	4	2	105	42	0.22	73	56.65	7/15/1997	9:11	0.3	26.1	7	283
1997	3	96	4	2	108	41	59.76	73	56.81	7/15/1997	8:56	0.3	26	6.9	283

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1997	3	96	4	2	110	41	59.4	73	56.94	7/15/1997	8:43	0.3	26	7	286
1997	3	97	4	2	102	42	0.83	73	56.38	7/15/1997	9:31	0.3	26.2	7.5	287
1997	3	97	4	2	103	42	0.5	73	56.51	7/15/1997	9:20	0.3	26	6.9	283
1997	3	98	4	2	100	42	1.67	73	56.54	7/15/1997	9:56	0.3	26.1	7	283
1997	3	98	4	2	101	42	1.426	73	56.456	7/15/1997	9:40	0.3	26	7.5	284
1997	3	105	4	2	97	42	7.68	73	55.13	7/14/1997	18:25	0.3	30	8.5	253
1997	3	105	4	2	98	42	7.33	73	55.3	7/14/1997	18:40	0.3	28.1	8.3	252
1997	3	106	4	2	96	42	8.147	73	54.796	7/14/1997	18:07	0.3	27.5	7.8	284
1997	3	110	6	4	90	42	11.04	73	51.38	7/14/1997	17:24	0.3	28.2	8	244
1997	3	110	6	4	91	42	10.9	73	51.53	7/14/1997	17:40	0.3	28.2	7.5	244
1997	3	112	4	4	88	42	12.69	73	51.26	7/14/1997	17:06	0.3	28.9	9	247
1997	3	113	6	4	87	42	13.32	73	50.85	7/14/1997	16:51	0.3	27.2	8.4	250
1997	3	115	6	4	79	42	14.8	73	49	7/14/1997	16:25	0.3	29.2	10.8	248
1997	3	115	6	4	80	42	14.8	73	49.1	7/14/1997	16:40	0.3	28.7	10.1	249
1997	3	116	6	4	77	42	15.02	73	48.31	7/14/1997	16:15	0.3	28	10	237
1997	3	118	4	4	73	42	16.76	73	47.67	7/14/1997	16:02	0.3	28.8	10.9	232
1997	3	119	4	4	70	42	17.317	73	47.373	7/14/1997	15:40	0.3	28.6	9.7	243
1997	3	119	6	4	69	42	17.29	73	46.78	7/14/1997	15:20	0.3	27.2	9.4	243
1997	3	121	4	4	68	42	18.53	73	47.1	7/14/1997	15:01	0.3	27.6	9.4	244
1997	3	121	6	4	66	42	19.33	73	46.85	7/14/1997	14:28	0.3	27.2	9.5	240
1997	3	121	6	4	67	42	18.82	73	46.89	7/14/1997	14:41	0.3	27.4	9.7	242
1997	3	122	6	4	64	42	19.9	73	46.8	7/14/1997	14:12	0.3	27.8	9.8	237
1997	3	123	4	4	59					7/14/1997	13:47	0.3	27.8	10.6	244
1997	3	123	4	4	60	42	20.64	73	47.39	7/14/1997	14:01	0.3	27.8	10.4	237
1997	3	124	4	2	55	42	21.64	73	47.62	7/14/1997	13:04	0.3	27.9	11.8	252
1997	3	124	4	2	58					7/14/1997	13:31	0.3	27.1	9.8	240
1997	3	124	6	2	57	42	21.28	73	47.32	7/14/1997	13:16	0.3	28.2	11.9	247
1997	3	125	6	2	54	42	22.034	73	47.302	7/14/1997	12:48	0.3	28	9.5	244
1997	3	128	6	2	43	42	25.02	73	46.62	7/14/1997	12:15	0.3	27	9.8	241
1997	3	128	6	2	45					7/14/1997	12:35	0.3	27.1	9.4	243
1997	3	129	4	2	40	42	25.67	73	46.67	7/14/1997	11:45	0.3	26.3	8.2	241
1997	3	129	6	2	42	42	25.226	73	46.523	7/14/1997	12:00	0.3	27.5	10.4	242
1997	3	130	6	2	36					7/14/1997	11:32	0.3	26	7.5	243
1997	3	134	4	2	27	42	30.17	73	46.88	7/14/1997	11:04	0.3	26.4	7	225
1997	3	138	4	2	20	42	33.5	73	45.35	7/14/1997	10:32	0.3	26.1	7.3	238
1997	3	139	4	2	18	42	34.14	73	45.24	7/14/1997	10:20	0.3	25.9	7.4	237
1997	3	140	6	2	10					7/14/1997	9:47	0.3	26	7	244
1997	3	140	6	2	14	42	34.34	73	45.02	7/14/1997	10:04	0.3	25.6	7	246
1997	3	142	6	2	8	42	36.82	73	45.4	7/14/1997	9:31	0.3	25.5	6.7	228
1997	4	18	4	4	260	40	56.889	73	55.1	7/28/1997	9:48	0.3	25	6.3	16934
1997	4	19	6	4	259	40	57.735	73	53.561	7/28/1997	10:06	0.3	25	7.4	15938
1997	4	20	6	4	258	40	57.73	73	53.661	7/28/1997	10:32	0.3	25	7	14045
1997	4	21	6	4	257	40	59.13	73	53.13	7/28/1997	10:46	0.3	25.4	7.9	16104

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1997	4	23	6	4	254	41	1.086	73	52.681	7/28/1997	11:08	0.3	26.3	7.4	12707
1997	4	24	6	4	252	41	2.057	73	52.505	7/31/1997	11:32	0.3	26.8	7.5	16707
1997	4	24	6	4	253	41	1.169	73	52.711	7/31/1997	11:17	0.3	26.3	7.5	17654
1997	4	25	4	4	250	41	2.86	73	55.07	7/28/1997	9:08	0.3	26	8.2	12980
1997	4	25	4	4	270	41	2.783	73	55.05	7/28/1997	9:20	0.3	25.5	6.5	13113
1997	4	25	4	4	270	41	2.783	73	55.05	7/31/1997	10:54	0.3	27.2	8.4	14190
1997	4	25	6	4	251	41	2.46	73	52.42	7/31/1997	11:48	0.3	27	8.4	16734
1997	4	26	4	4	271	41	3.77	73	55.22	7/28/1997	8:40	0.3	25.5	6	12719
1997	4	26	4	4	283	41	8.34	73	54.4	7/28/1997	8:56	0.3	25.5	7.3	13113
1997	4	26	4	4	246	41	3.6	73	55.2	7/31/1997	10:32	0.3	27	7.5	13483
1997	4	26	4	4	271	41	3.77	73	55.22	7/31/1997	10:16	0.3	27.2	7.8	13524
1997	4	26	6	4	248	41	3.273	73	52.221	7/28/1997	11:45	0.3	26.9	7.8	13223
1997	4	26	6	4	249	41	2.67	73	52.3	7/28/1997	11:28	0.3	26.3	7	13580
1997	4	27	4	4	245	41	4.19	73	55.21	7/31/1997	10:02	0.3	26.9	8.5	13319
1997	4	27	4	2	272	41	4.49	73	55.14	7/31/1997	9:50	0.3	25.6	7.1	13677
1997	4	28	6	4	244	41	5.33	73	52.33	7/28/1997	12:04	0.3	27.3	8.4	9504
1997	4	29	4	4	242	41	6.1	73	54.88	7/28/1997	8:17	0.3	25.1	6.8	11929
1997	4	30	4	1	241	41	7.14	73	54.77	7/28/1997	7:54	0.3	25	5.9	11655
1997	4	31	4	2	285	41	3.607	73	55.196	7/31/1997	9:24	0.3	25.5	6.7	12916
1997	4	32	4	1	239	41	8.81	73	54.6	7/28/1997	7:08	0.3	25	6.4	10061
1997	4	32	4	1	240	41	8.48	73	54.42	7/28/1997	7:25	0.3	25	6.2	11655
1997	4	32	4	2	240	41	8.48	73	54.42	7/31/1997	9:14	0.3	25.5	6.7	12818
1997	4	32	6	4	237	41	9.274	73	52.181	7/31/1997	12:21	0.3	27	8	11475
1997	4	32	6	4	269	41	9.445	73	52.243	7/31/1997	12:30	0.3	26.5	8.1	11592
1997	4	33	6	4	236	41	9.79	73	52.202	7/28/1997	12:37	0.3	28.5	6.9	9276
1997	4	35	4	2	229	41	10.59	73	56.41	7/31/1997	8:50	0.3	26	6.8	9662
1997	4	35	4	2	230	41	10.59	73	56.39	7/31/1997	9:00	0.3	26	6.8	9662
1997	4	35	4	4	277	41	10.95	73	57.06	7/31/1997	12:49	0.3	27	7.5	9658
1997	4	35	6	2	231	41	11.23	73	53.69	7/31/1997	8:20	0.3	24.6	6.5	10847
1997	4	35	6	2	232	41	11.172	73	53.996	7/31/1997	8:35	0.3	25.1	6.8	10835
1997	4	35	6	2	274	41	11.17	73	53.71	7/31/1997	8:26	0.3	25.1	6.8	10835
1997	4	35	6	2	275	41	11.31	73	53.54	7/31/1997	8:13	0.3	24.6	6.5	10847
1997	4	36	4	4	227	41	11.02	73	57.41	7/31/1997	12:59	0.3	27	7.5	9563
1997	4	36	4	4	282	41	11.2	73	57.17	7/31/1997	13:10	0.3	27.8	8.8	9597
1997	4	36	6	2	276	41	12.17	73	53.51	7/31/1997	7:56	0.3	24.6	6	10445
1997	4	38	4	2	223	41	12.89	73	57.806	7/30/1997	19:13	0.3	25.5	7.5	8884
1997	4	38	4	2	278	41	12.96	73	57.828	7/30/1997	19:02	0.3	25.5	7.5	8874
1997	4	38	4	2	279	41	13.36	73	57.82	7/30/1997	18:58	0.3	25.5	7.5	8874
1997	4	38	4	2	280	41	13.4	73	57.81	7/30/1997	18:49	0.3	25.6	7.5	8757
1997	4	39	4	2	215	41	13.62	73	58.34	7/30/1997	18:34	0.3	26	7.8	7808
1997	4	40	6	2	210	41	14.87	73	57.74	7/30/1997	18:18	0.3	25.5	7	6902
1997	4	41	6	2	208	41	15.72	73	50.84	7/30/1997	18:05	0.3	25	7.5	7770
1997	4	43	6	2	204	41	16.693	73	56.484	7/30/1997	17:50	0.3	25.5	8.5	5916

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	4	46	4	4	198	41	19.7	73	59	7/30/1997	17:16	0.3	25	7	3984
1997	4	48	4	4	197	41	20.86	73	58.08	7/30/1997	17:07	0.3	26	6.8	3416
1997	4	49	4	4	196	41	21.16	73	57.74	7/30/1997	16:55	0.3	25.5	7	3293
1997	4	52	6	4	193	41	24.12	73	57.31	7/30/1997	16:34	0.3	28	6.8	3017
1997	4	53	4	4	192	41	24.19	73	57.95	7/30/1997	16:19	0.3	25.5	7.5	2494
1997	4	55	6	4	189	41	25.66	73	58.14	7/30/1997	15:51	0.3	27	7	2276
1997	4	57	4	4	185	41	27.68	74	0.73	7/30/1997	15:39	0.3	27.5	7.6	1325
1997	4	58	4	4	184	41	27.78	74	0.7	7/30/1997	15:26	0.3	27.5	7.5	1373
1997	4	59	6	4	179	41	29.24	73	59.34	7/30/1997	14:43	0.3	27.5	8	1515
1997	4	59	6	4	180	41	29.08	73	59.37	7/30/1997	14:55	0.3	27.4	8	1527
1997	4	59	6	4	181	41	29.04	73	59.33	7/30/1997	15:08	0.3	27.2	8	1533
1997	4	61	4	4	174	41	31.15	74	0.37	7/30/1997	13:24	0.3	26.1	7.5	974
1997	4	66	4	4	160	41	34.777	73	57.753	7/30/1997	13:03	0.3	26	8	332
1997	4	72	6	4	152	41	39.77	73	56.55	7/30/1997	12:46	0.3	25.2	8	243
1997	4	73	6	4	150	41	40.28	73	56.49	7/30/1997	12:28	0.3	25.2	7.9	248
1997	4	74	4	2	147	41	41.29	73	56.8	7/30/1997	12:11	0.3	25	8.2	244
1997	4	76	6	2	145					7/30/1997	11:52	0.3	24.5	8.3	237
1997	4	77	6	2	140	41	44.56	73	56.17	7/30/1997	11:28	0.3	25	6.9	249
1997	4	77	6	2	142	41	43.92	73	56.14	7/30/1997	11:39	0.3	24.6	8	236
1997	4	78	4	2	139	41	44.786	73	56.758	7/30/1997	11:15	0.3	25	7	249
1997	4	81	4	2	135	41	47.474	73	57.457	7/30/1997	10:56	0.3	24.1	8.2	255
1997	4	85	6	2	127	41	51.18	73	56.5	7/30/1997	10:38	0.3	24.1	8	255
1997	4	89	6	2	121	41	53.84	73	57.04	7/30/1997	10:21	0.3	24	8	253
1997	4	90	6	2	120	41	54.02	73	57.2	7/30/1997	10:11	0.3	23.9	8.1	255
1997	4	92	4	2	118	41	56.32	73	58.1	7/30/1997	8:13	0.3	23	7.3	270
1997	4	93	4	2	116	41	57.05	73	57.77	7/30/1997	8:30	0.3	24.1	7.2	249
1997	4	93	6	2	117	41	57.036	73	56.721	7/30/1997	9:54	0.3	24.1	7.2	254
1997	4	96	4	2	105	42	0.22	73	56.65	7/30/1997	9:08	0.3	24	7.8	245
1997	4	96	4	2	108	41	59.76	73	56.81	7/30/1997	8:56	0.3	23.2	7.8	248
1997	4	96	4	2	110	41	59.4	73	56.94	7/30/1997	8:44	0.3	23.4	8	257
1997	4	97	4	2	103	42	0.5	73	56.51	7/30/1997	9:10	0.3	23.5	8.2	252
1997	4	98	4	2	100	42	1.67	73	56.54	7/30/1997	9:35	0.3	24	8	145
1997	4	98	4	2	101	42	1.426	73	56.456	7/30/1997	9:25	0.3	24	8	246
1997	4	99	6	1	99	42	2.02	73	55.73	7/29/1997	17:43	0.3	25	9.5	244
1997	4	105	4	4	97	42	7.68	73	55.13	7/29/1997	17:03	0.3	24.9	8	241
1997	4	105	4	4	98	42	7.33	73	55.3	7/29/1997	17:18	0.3	24.9	9.5	241
1997	4	112	4	4	88	42	12.69	73	51.26	7/29/1997	16:39	0.3	26	9.9	236
1997	4	114	4	4	81	42	14.39	73	50.549	7/29/1997	16:08	0.3	25.4	7.9	238
1997	4	114	6	4	84	42	14.02	73	50.18	7/29/1997	16:20	0.3	25.5	8.2	236
1997	4	115	6	4	79	42	14.8	73	49	7/29/1997	15:57	0.3	25.4	7.9	242
1997	4	119	4	4	70	42	17.317	73	47.373	7/29/1997	15:29	0.3	27	9	238
1997	4	119	4	4	72	42	16.82	73	47.28	7/29/1997	15:45	0.3	26	8	234
1997	4	121	6	4	67	42	18.82	73	46.89	7/29/1997	15:17	0.3	27	8.2	237

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	4	122	4	4	63	42	19.84	73	47.18	7/29/1997	15:05	0.3	27	8	239
1997	4	123	4	4	60	42	20.64	73	47.39	7/29/1997	14:54	0.3	27.1	8.5	239
1997	4	124	6	4	56	42	21.49	73	47.29	7/29/1997	14:44	0.3	26.2	8.8	243
1997	4	125	4	4	51	42	22.87	73	47.8	7/29/1997	12:51	0.3	26.1	9.8	239
1997	4	126	4	4	48	42	23.65	73	47.38	7/29/1997	13:05	0.3	26.1	9.8	239
1997	4	129	6	4	38	42	26.05	73	46.82	7/29/1997	13:30	0.3	26.8	10	229
1997	4	129	6	4	40	42	25.67	73	46.67	7/29/1997	13:19	0.3	26.1	10.5	236
1997	4	132	4	4	30					7/29/1997	13:48	0.3	25.8	8.8	235
1997	4	134	4	4	27	42	30.17	73	46.88	7/29/1997	14:12	0.3	25.8	9	235
1997	4	134	4	4	28	42	30.027	73	46.913	7/29/1997	14:01	0.3	25.5	8	237
1997	5	19	6	2	259	40	57.735	73	53.561	8/11/1997	10:58	0.3	25.4	9.1	16895
1997	5	20	6	2	258	40	57.73	73	53.661	8/11/1997	11:15	0.3	25.2	8.1	15972
1997	5	21	6	2	257	40	59.13	73	53.13	8/11/1997	11:28	0.3	25.6	8.1	16629
1997	5	22	6	2	256	40	59.97	73	53.05	8/11/1997	11:54	0.3	26.2	9.1	14968
1997	5	23	6	2	255	41	0.74	73	52.83	8/11/1997	12:12	0.3	25.9	10.1	14473
1997	5	25	4	4	250	41	2.86	73	55.07	8/11/1997	9:36	0.3	25	7.2	14643
1997	5	25	4	4	270	41	2.783	73	55.05	8/11/1997	9:54	0.3	25.6	6.4	14759
1997	5	25	4	4	284	41	2.57	73	54.94	8/11/1997	10:14	0.3	26	7.5	15029
1997	5	25	4	4	270	41	2.783	73	55.05	8/14/1997	11:14	0.3	25.4	8.6	15116
1997	5	26	4	4	246	41	3.6	73	55.2	8/14/1997	10:45	0.3	24.9	7.9	14873
1997	5	26	4	4	271	41	3.77	73	55.22	8/14/1997	10:30	0.3	24.7	8.3	14833
1997	5	26	4	4	283	41	8.34	73	54.4	8/14/1997	10:59	0.3	25	7	14842
1997	5	26	6	2	247	41	3.891	73	52.077	8/11/1997	12:43	0.3	26	15.1	14639
1997	5	26	6	2	248	41	3.273	73	52.221	8/11/1997	12:25	0.3	26.1	12.7	14609
1997	5	27	4	4	245	41	4.19	73	55.21	8/11/1997	9:16	0.3	24.9	7.8	13475
1997	5	27	4	4	272	41	4.49	73	55.14	8/11/1997	8:54	0.3	24.8	7	12002
1997	5	28	6	2	243	41	5.683	73	52.214	8/11/1997	13:12	0.3	26.7	15	12700
1997	5	28	6	2	244	41	5.33	73	52.33	8/11/1997	13:00	0.3	26.9	14.6	12936
1997	5	28	6	4	243	41	5.683	73	52.214	8/14/1997	11:54	0.3	25.7	8.3	13747
1997	5	28	6	4	244	41	5.33	73	52.33	8/14/1997	11:45	0.3	25.7	8.2	13845
1997	5	29	4	4	242	41	6.1	73	54.88	8/14/1997	10:05	0.3	24.9	7.1	13575
1997	5	30	4	4	241	41	7.14	73	54.77	8/11/1997	8:30	0.3	24.6	6.6	13056
1997	5	31	4	4	285	41	3.607	73	55.196	8/14/1997	9:40	0.3	25.2	7.2	12896
1997	5	32	4	4	240	41	8.48	73	54.42	8/11/1997	8:12	0.3	24.9	7	11978
1997	5	32	4	4	239	41	8.81	73	54.6	8/14/1997	9:28	0.3	25.2	7.2	12896
1997	5	32	6	2	238	41	8.85	73	52.123	8/11/1997	13:28	0.3	25.9	14.4	10855
1997	5	32	6	4	237	41	9.274	73	52.181	8/14/1997	12:31	0.3	26.8	7.9	12002
1997	5	32	6	4	238	41	8.85	73	52.123	8/14/1997	12:20	0.3	26.9	7.4	11498
1997	5	32	6	4	269	41	9.445	73	52.243	8/14/1997	12:43	0.3	26.3	6.9	12513
1997	5	34	6	4	233	41	10.662	73	53.922	8/14/1997	13:15	0.3	27.5	10	11832
1997	5	34	6	4	234	41	10.19	73	53.93	8/14/1997	13:03	0.3	27.6	10.3	11808
1997	5	35	6	4	231	41	11.23	73	53.69	8/14/1997	13:48	0.3	27.5	10	10886
1997	5	35	6	4	232	41	11.172	73	53.996	8/14/1997	13:32	0.3	27.5	10.1	10886

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	5	36	4	4	281	41	11.13	73	57.16	8/14/1997	9:06	0.3	25.5	7.1	10550
1997	5	36	4	4	282	41	11.2	73	57.17	8/14/1997	8:57	0.3	25.5	7	10550
1997	5	36	6	4	228	41	12.25	73	53.5	8/14/1997	14:21	0.3	28	8.1	9277
1997	5	36	6	4	276	41	12.17	73	53.51	8/14/1997	14:05	0.3	28.1	8	9258
1997	5	38	4	2	221	41	13.43	73	57.79	8/14/1997	7:54	0.3	25.2	6.2	9524
1997	5	38	4	2	222	41	12.979	73	57.867	8/14/1997	8:13	0.3	25.2	6.3	9524
1997	5	38	4	2	223	41	12.89	73	57.806	8/14/1997	8:32	0.3	25.4	6.4	9583
1997	5	38	4	2	278	41	12.96	73	57.828	8/14/1997	8:41	0.3	25.4	6.4	9583
1997	5	38	4	2	279	41	13.36	73	57.82	8/14/1997	8:21	0.3	25.3	6.2	9504
1997	5	38	4	2	280	41	13.4	73	57.81	8/14/1997	8:04	0.3	25.2	6.2	9524
1997	5	40	4	2	209	41	14.97	73	58	8/14/1997	7:35	0.3	25.3	6.2	8712
1997	5	40	6	2	210	41	14.87	73	57.74	8/14/1997	7:43	0.3	25.1	6.2	9145
1997	5	42	6	2	207	41	15.3	73	57.8	8/14/1997	7:20	0.3	25	6.8	7969
1997	5	43	6	2	205	41	16.413	73	56.551	8/13/1997	16:12	0.3	25.2	10.2	8135
1997	5	46	6	4	199	41	19.42	73	58.77	8/13/1997	15:51	0.3	25.4	8.1	4545
1997	5	49	4	4	196	41	21.16	73	57.74	8/13/1997	15:18	0.3	25.4	7.8	3952
1997	5	52	6	4	193	41	24.12	73	57.31	8/13/1997	14:35	0.3	25.4	7.6	3853
1997	5	52	6	4	194	41	24.12	73	56.81	8/13/1997	14:55	0.3	25.4	8.1	3873
1997	5	53	4	4	192	41	24.19	73	57.95	8/13/1997	14:05	0.3	25.1	7.8	3599
1997	5	55	6	4	189	41	25.66	73	58.14	8/13/1997	13:46	0.3	25	8.7	3387
1997	5	56	4	4	187	41	26.83	74	0.5	8/13/1997	13:19	0.3	24.7	10	2275
1997	5	59	6	4	178	41	29.25	73	59.32	8/13/1997	12:15	0.3	24.6	10	2109
1997	5	59	6	4	179	41	29.24	73	59.34	8/13/1997	12:30	0.3	24.2	11.8	2248
1997	5	59	6	4	180	41	29.08	73	59.37	8/13/1997	12:45	0.3	24.7	11	2235
1997	5	59	6	4	181	41	29.04	73	59.33	8/13/1997	12:58	0.3	24.2	10.4	2289
1997	5	61	4	4	174	41	31.15	74	0.37	8/13/1997	11:45	0.3	25.1	8.3	1610
1997	5	65	4	2	162	41	33.99	73	58.39	8/13/1997	11:22	0.3	25.2	8.9	982
1997	5	69	6	2	156	41	37.03	73	56.88	8/13/1997	10:58	0.3	25.5	7.8	442
1997	5	72	4	2	151	41	40.04	73	57.11	8/13/1997	9:54	0.3	24.7	7.9	303
1997	5	72	6	2	152	41	39.77	73	56.55	8/13/1997	10:23	0.3	25.4	8	325
1997	5	74	6	2	149	41	41.064	73	56.289	8/13/1997	9:38	0.3	24.9	7.4	304
1997	5	77	6	2	141	41	44.46	73	56.21	8/13/1997	9:17	0.3	24.9	7	289
1997	5	80	6	2	137	41	46.14	73	56.82	8/13/1997	8:51	0.3	24.9	7	287
1997	5	81	4	2	135	41	47.474	73	57.457	8/13/1997	8:31	0.3	24.6	7.4	283
1997	5	82	4	2	134	41	48.51	73	57.22	8/13/1997	8:19	0.3	24.4	7.2	289
1997	5	85	4	2	128					8/13/1997	8:00	0.3	24.4	7.3	283
1997	5	86	6	2	125	41	51.75	73	55.89	8/13/1997	7:42	0.3	24.7	7.6	285
1997	5	88	6	2	122	41	53.023	73	56.214	8/13/1997	7:25	0.3	24.7	7.3	281
1997	5	89	6	2	121	41	53.84	73	57.04	8/13/1997	7:10	0.3	24.4	7.4	280
1997	5	92	4	2	118	41	56.32	73	58.1	8/13/1997	6:52	0.3	24.8	8	261
1997	5	93	4	2	116	41	57.05	73	57.77	8/13/1997	6:42	0.3	24.5	7.2	243
1997	5	94	4	2	115	41	57.78	73	57.47	8/12/1997	17:48	0.3	25.4	7.9	272
1997	5	95	4	2	111	41	59.083	73	57.079	8/12/1997	17:28	0.3	25.9	9.1	266

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1997	5	96	4	2	105	42	0.22	73	56.65	8/12/1997	17:02	0.3	25.2	7.5	277
1997	5	97	4	2	102	42	0.83	73	56.38	8/12/1997	16:18	0.3	26.6	7.8	269
1997	5	98	4	4	100	42	1.67	73	56.54	8/12/1997	15:34	0.3	26.6	11.1	253
1997	5	98	4	4	101	42	1.426	73	56.456	8/12/1997	15:56	0.3	25.8	8	264
1997	5	105	4	4	97	42	7.68	73	55.13	8/12/1997	14:36	0.3	27.3	11.7	270
1997	5	105	4	4	98	42	7.33	73	55.3	8/12/1997	14:58	0.3	26.9	10.7	254
1997	5	106	4	4	96	42	8.147	73	54.796	8/12/1997	14:16	0.3	26.5	9.6	270
1997	5	114	4	4	82	42	14.31	73	50.58	8/12/1997	13:16	0.3	26.6	9.2	262
1997	5	114	4	4	83	42	14.26	73	50.71	8/12/1997	13:35	0.3	25.8	8.1	282
1997	5	116	6	4	77	42	15.02	73	48.31	8/12/1997	12:59	0.3	25.9	8.5	275
1997	5	117	4	4	76	42	15.84	73	47.69	8/12/1997	12:35	0.3	27	8	260
1997	5	119	6	4	71	42	17.16	73	46.8	8/12/1997	12:13	0.3	26	8.8	255
1997	5	121	6	4	67	42	18.82	73	46.89	8/12/1997	11:58	0.3	25.4	7.4	259
1997	5	122	4	4	61	42	20.29	73	47.24	8/12/1997	11:28	0.3	26.1	6.5	262
1997	5	122	6	4	62	42	20.105	73	46.848	8/12/1997	11:48	0.3	25.6	7.3	283
1997	5	123	4	4	59					8/12/1997	11:14	0.3	26	8.2	259
1997	5	124	6	4	56	42	21.49	73	47.29	8/12/1997	11:00	0.3	24.9	8.1	260
1997	5	125	6	4	52	42	22.39	73	47.45	8/12/1997	10:46	0.3	24.8	8	260
1997	5	128	4	4	44	42	25	73	46.99	8/12/1997	10:23	0.3	25.2	8.7	247
1997	5	133	4	4	29	42	29.09	73	47.273	8/12/1997	9:58	0.3	25.5	7.6	227
1997	5	134	4	4	28	42	30.027	73	46.913	8/12/1997	9:41	0.3	24.8	7.6	232
1997	5	139	4	4	16	42	34.31	73	45.21	8/12/1997	8:27	0.3	24.2	7.2	262
1997	5	139	4	4	18	42	34.14	73	45.24	8/12/1997	8:59	0.3	23.8	7.1	239
1997	5	140	4	4	13	42	34.59	73	45.25	8/12/1997	8:10	0.3	23.4	7.2	238
1997	6	15	4	4	263	40	54.252	73	55.961	8/28/1997	11:24	0.3	23	7	18684
1997	6	18	4	4	260	40	56.889	73	55.1	8/28/1997	11:06	0.3	23.3	7.3	18156
1997	6	20	6	4	258	40	57.73	73	53.661	8/28/1997	11:58	0.3	23.1	7.1	17506
1997	6	23	6	4	254	41	1.086	73	52.681	8/28/1997	12:37	0.3	23.4	7.6	15339
1997	6	23	6	4	255	41	0.74	73	52.83	8/28/1997	12:19	0.3	23.3	7.3	15268
1997	6	24	6	4	252	41	2.057	73	52.505	8/28/1997	13:07	0.3	23.3	7.1	14958
1997	6	24	6	4	253	41	1.169	73	52.711	8/28/1997	12:51	0.3	23.1	6.9	15434
1997	6	25	4	4	250	41	2.86	73	55.07	8/28/1997	10:05	0.3	23.2	7.8	14162
1997	6	25	4	4	270	41	2.783	73	55.05	8/28/1997	10:25	0.3	23.4	7	13898
1997	6	25	6	4	251	41	2.46	73	52.42	8/28/1997	13:23	0.3	23.4	7.1	14310
1997	6	26	4	4	246	41	3.6	73	55.2	8/28/1997	9:34	0.3	23.4	7.4	13383
1997	6	26	4	4	271	41	3.77	73	55.22	8/28/1997	9:24	0.3	23.4	7.4	13383
1997	6	26	4	4	283	41	8.34	73	54.4	8/28/1997	9:45	0.3	23.3	7	13823
1997	6	26	6	4	247	41	3.891	73	52.077	8/28/1997	14:01	0.3	23.5	7.3	13355
1997	6	26	6	4	249	41	2.67	73	52.3	8/28/1997	13:40	0.3	23.4	7.1	13589
1997	6	27	4	4	245	41	4.19	73	55.21	8/28/1997	9:06	0.3	23.3	7.5	13411
1997	6	27	4	4	272	41	4.49	73	55.14	8/28/1997	8:49	0.3	23.4	7.7	13383
1997	6	28	6	4	243	41	5.683	73	52.214	8/28/1997	14:32	0.3	23.5	7.4	12020
1997	6	28	6	4	244	41	5.33	73	52.33	8/28/1997	14:20	0.3	23.5	7.4	12123

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	6	29	4	4	242	41	6.1	73	54.88	8/25/1997	9:02	0.3	23.2	8	13232
1997	6	29	4	2	242	41	6.1	73	54.88	8/28/1997	8:27	0.3	23.6	7.3	13123
1997	6	30	4	4	241	41	7.14	73	54.77	8/25/1997	8:41	0.3	23.3	7.6	13308
1997	6	31	4	2	285	41	3.607	73	55.196	8/28/1997	8:16	0.3	23.6	7.3	12610
1997	6	32	4	4	240	41	8.48	73	54.42	8/25/1997	8:24	0.3	23.5	7.5	11301
1997	6	32	4	2	239	41	8.81	73	54.6	8/28/1997	7:51	0.3	23.6	6.8	11380
1997	6	32	4	2	240	41	8.48	73	54.42	8/28/1997	8:07	0.3	23.6	7.3	12508
1997	6	32	6	4	237	41	9.274	73	52.181	8/28/1997	15:02	0.3	23.6	7.8	9432
1997	6	32	6	4	238	41	8.85	73	52.123	8/28/1997	14:49	0.3	23.8	7.4	9597
1997	6	32	6	4	269	41	9.445	73	52.243	8/28/1997	15:17	0.3	23.6	7.4	9124
1997	6	34	6	2	233	41	10.662	73	53.922	8/27/1997	18:22	0.3	24.5	8.3	10064
1997	6	34	6	2	234	41	10.19	73	53.93	8/27/1997	18:35	0.3	24.5	8.3	10064
1997	6	35	4	2	229	41	10.59	73	56.41	8/27/1997	18:50	0.3	25.2	7.9	9127
1997	6	35	4	2	277	41	10.95	73	57.06	8/27/1997	19:08	0.3	24.9	8.2	8983
1997	6	35	6	2	274	41	11.17	73	53.71	8/27/1997	18:10	0.3	25.4	9.8	9880
1997	6	35	6	2	275	41	11.31	73	53.54	8/27/1997	18:00	0.3	25.4	9.7	9880
1997	6	36	6	2	228	41	12.25	73	53.5	8/27/1997	17:30	0.3	25.7	10.1	9721
1997	6	36	6	2	276	41	12.17	73	53.51	8/27/1997	17:43	0.3	25.7	10	9819
1997	6	38	4	2	221	41	13.43	73	57.79	8/27/1997	16:46	0.3	25.6	7.8	8856
1997	6	38	4	2	223	41	12.89	73	57.806	8/28/1997	7:28	0.3	24.6	7.2	8035
1997	6	38	4	2	278	41	12.96	73	57.828	8/28/1997	7:19	0.3	24.6	7.1	8035
1997	6	38	4	2	279	41	13.36	73	57.82	8/28/1997	7:09	0.3	24.6	7.3	8035
1997	6	38	4	2	280	41	13.4	73	57.81	8/28/1997	6:59	0.3	24.6	7.3	8035
1997	6	38	6	2	220					8/27/1997	17:05	0.3	25.3	8.2	8910
1997	6	42	4	4	206	41	16.412	73	58.1	8/27/1997	16:17	0.3	26.5	10.1	6569
1997	6	43	6	2	204	41	16.693	73	56.484	8/25/1997	16:16	0.3	26.4	6.9	5034
1997	6	43	6	2	205	41	16.413	73	56.551	8/25/1997	15:42	0.3	26.3	9.3	5723
1997	6	44	6	4	201	41	17.74	73	56.87	8/27/1997	16:00	0.3	25.7	9.7	6677
1997	6	46	4	4	198	41	19.7	73	59	8/27/1997	15:37	0.3	25	7.2	4034
1997	6	49	4	4	196	41	21.16	73	57.74	8/27/1997	15:06	0.3	24.9	6.9	3693
1997	6	52	6	4	193	41	24.12	73	57.31	8/27/1997	14:25	0.3	25.6	7.5	3365
1997	6	52	6	4	194	41	24.12	73	56.81	8/27/1997	14:40	0.3	25.5	7.6	3382
1997	6	53	4	4	192	41	24.19	73	57.95	8/27/1997	14:11	0.3	25.7	7.9	3044
1997	6	55	6	4	189	41	25.66	73	58.14	8/27/1997	13:49	0.3	25	7	2590
1997	6	57	4	4	185	41	27.68	74	0.73	8/27/1997	13:25	0.3	25.5	8.6	1578
1997	6	58	4	4	183	41	28.02	74	0.87	8/27/1997	13:12	0.3	25.5	8.6	1578
1997	6	59	6	4	179	41	29.24	73	59.34	8/27/1997	12:26	0.3	24.4	7.3	1614
1997	6	59	6	4	180	41	29.08	73	59.37	8/27/1997	12:43	0.3	24.9	7.9	1617
1997	6	59	6	4	181	41	29.04	73	59.33	8/27/1997	12:55	0.3	24.9	7.9	1617
1997	6	60	6	4	178	41	29.25	73	59.32	8/27/1997	12:15	0.3	24.4	7.3	1614
1997	6	66	4	2	160	41	34.777	73	57.753	8/27/1997	11:36	0.3	24.6	7.8	422
1997	6	69	6	2	157	41	36.97	73	56.85	8/27/1997	11:17	0.3	24.4	7.6	429
1997	6	72	6	2	152	41	39.77	73	56.55	8/27/1997	10:50	0.3	24.5	7.3	323

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1997	6	73	6	2	150	41	40.28	73	56.49	8/27/1997	10:15	0.3	24.2	7.2	316
1997	6	76	4	2	146	41	42.94	73	56.87	8/27/1997	9:54	0.3	23.5	7.2	298
1997	6	77	6	2	142	41	43.92	73	56.14	8/27/1997	9:36	0.3	23.9	6.9	290
1997	6	78	6	2	138	41	45.18	73	56.22	8/27/1997	9:13	0.3	23.5	7.1	289
1997	6	82	4	2	134	41	48.51	73	57.22	8/27/1997	8:42	0.3	23.6	7.1	288
1997	6	83	4	2	131	41	49.33	73	57.31	8/27/1997	8:20	0.3	23.2	7.3	287
1997	6	85	6	2	127	41	51.18	73	56.5	8/27/1997	8:05	0.3	23.3	7.3	287
1997	6	88	6	2	122	41	53.023	73	56.214	8/27/1997	7:41	0.3	22.5	7.4	283
1997	6	89	6	2	121	41	53.84	73	57.04	8/27/1997	7:22	0.3	22.3	8.4	290
1997	6	90	6	2	120	41	54.02	73	57.2	8/27/1997	7:01	0.3	22.3	8.6	290
1997	6	93	4	2	116	41	57.05	73	57.77	8/26/1997	18:18	0.3	23.1	7.5	264
1997	6	93	6	2	117	41	57.036	73	56.721	8/26/1997	18:39	0.3	23.5	8.4	267
1997	6	94	4	2	115	41	57.78	73	57.47	8/26/1997	17:53	0.3	23.5	8	262
1997	6	96	4	4	105	42	0.22	73	56.65	8/26/1997	17:17	0.3	23.6	8	254
1997	6	96	4	4	110	41	59.4	73	56.94	8/26/1997	17:36	0.3	23.7	8.3	254
1997	6	97	4	4	102	42	0.83	73	56.38	8/26/1997	16:38	0.3	23.3	8.4	256
1997	6	97	4	4	103	42	0.5	73	56.51	8/26/1997	17:04	0.3	23.6	7.9	254
1997	6	98	4	4	100	42	1.67	73	56.54	8/26/1997	15:59	0.3	23.3	7.9	256
1997	6	98	4	4	101	42	1.426	73	56.456	8/26/1997	16:17	0.3	23.3	7.9	248
1997	6	105	4	4	98	42	7.33	73	55.3	8/26/1997	15:26	0.3	26.4	9.4	232
1997	6	106	4	4	96	42	8.147	73	54.796	8/26/1997	15:12	0.3	23.6	7.8	236
1997	6	113	4	4	86	42	13.12	73	51.33	8/26/1997	14:21	0.3	23.4	7.3	242
1997	6	114	4	4	81	42	14.39	73	50.549	8/26/1997	13:40	0.3	24.1	7.9	244
1997	6	114	4	4	82	42	14.31	73	50.58	8/26/1997	14:00	0.3	24.1	7.8	233
1997	6	114	4	4	83	42	14.26	73	50.71	8/26/1997	14:12	0.3	24	7.7	234
1997	6	115	6	4	79	42	14.8	73	49	8/26/1997	13:23	0.3	23.6	7.3	236
1997	6	116	6	4	77	42	15.02	73	48.31	8/26/1997	12:51	0.3	23.2	7.1	240
1997	6	119	6	4	71	42	17.16	73	46.8	8/26/1997	12:30	0.3	22.6	8.4	242
1997	6	121	6	2	66	42	19.33	73	46.85	8/26/1997	12:13	0.3	23.5	8.5	236
1997	6	124	6	2	56	42	21.49	73	47.29	8/26/1997	11:07	0.3	22.8	8.2	250
1997	6	124	6	2	57	42	21.28	73	47.32	8/26/1997	11:56	0.3	23.5	8.5	250
1997	6	139	4	2	18	42	34.14	73	45.24	8/26/1997	10:12	0.3	22.1	7.4	249
1997	6	139	4	2	19	42	34.03	73	45.26	8/26/1997	10:22	0.3	22.1	7.4	247
1997	6	140	4	2	10					8/26/1997	9:59	0.3	22.8	7.2	243
1997	6	143	4	2	6	42	38.03	73	45.23	8/26/1997	9:41	0.3	22.1	7.6	255
1997	6	145	6	2	4	42	39.51	73	44.09	8/26/1997	9:21	0.3	22.7	7.7	251
1997	6	148	6	2	3	42	41.41	73	42.584	8/26/1997	9:00	0.3	22.4	7.6	242
1997	6	151	4	2	1	42	44.51	73	41.196	8/26/1997	8:35	0.3	22.6	7.6	246
1997	7	14	4	2	265					9/8/1997	12:48	0.3	23.2	10.2	18504
1997	7	16	4	2	262	40	54.9	73	55.7	9/8/1997	12:34	0.3	23.1	10.6	16677
1997	7	19	6	2	259	40	57.735	73	53.561	9/8/1997	12:15	0.3	23.4	10.9	15236
1997	7	21	4	2	257	40	59.13	73	53.13	9/8/1997	12:00	0.3	22.9	10.6	15082
1997	7	22	6	4	256	40	59.97	73	53.05	9/8/1997	11:45	0.3	22.8	10.8	13550

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1997	7	25	4	4	250	41	2.86	73	55.07	9/8/1997	10:50	0.3	22.3	11	13481
1997	7	25	4	4	270	41	2.783	73	55.05	9/8/1997	11:09	0.3	22	10.4	13672
1997	7	25	4	4	250	41	2.86	73	55.07	9/12/1997	9:16	0.3	22	9.6	10810
1997	7	25	4	4	270	41	2.783	73	55.05	9/12/1997	9:32	0.3	22.1	9.5	10788
1997	7	25	6	4	251	41	2.46	73	52.42	9/12/1997	9:49	0.3	22.8	9.4	11987
1997	7	26	4	4	246	41	3.6	73	55.2	9/8/1997	10:40	0.3	22.1	13.4	13114
1997	7	26	4	4	271	41	3.77	73	55.22	9/8/1997	10:30	0.3	21.8	14.5	12877
1997	7	26	4	2	271	41	3.77	73	55.22	9/12/1997	9:06	0.3	22	9.2	10598
1997	7	26	6	2	247	41	3.891	73	52.077	9/8/1997	13:47	0.3	23.5	12	13355
1997	7	26	6	2	249	41	2.67	73	52.3	9/8/1997	13:34	0.3	23	10.8	12975
1997	7	26	6	4	247	41	3.891	73	52.077	9/12/1997	10:03	0.3	22.5	9.5	11747
1997	7	27	4	4	272	41	4.49	73	55.14	9/8/1997	10:16	0.3	22.2	12.5	12665
1997	7	27	4	2	245	41	4.19	73	55.21	9/12/1997	8:46	0.3	21.6	9.2	9832
1997	7	28	6	4	243	41	5.683	73	52.214	9/12/1997	10:28	0.3	23	9.7	9446
1997	7	28	6	4	244	41	5.33	73	52.33	9/12/1997	10:17	0.3	22.9	9.8	11338
1997	7	29	4	4	242	41	6.1	73	54.88	9/8/1997	10:01	0.3	22.4	11.5	11351
1997	7	30	4	4	241	41	7.14	73	54.77	9/8/1997	9:43	0.3	22.5	11.8	10698
1997	7	30	4	2	241	41	7.14	73	54.77	9/12/1997	8:18	0.3	23	8.9	9446
1997	7	31	4	4	285	41	3.607	73	55.196	9/8/1997	9:27	0.3	23	10.2	9238
1997	7	32	4	4	239	41	8.81	73	54.6	9/8/1997	8:55	0.3	23.1	9.1	8805
1997	7	32	4	4	240	41	8.48	73	54.42	9/8/1997	9:13	0.3	23	10.2	9238
1997	7	32	4	2	239	41	8.81	73	54.6	9/12/1997	7:50	0.3	23.6	9.1	7689
1997	7	32	4	2	240	41	8.48	73	54.42	9/12/1997	8:04	0.3	23	9.3	9238
1997	7	32	6	4	238	41	8.85	73	52.123	9/12/1997	10:46	0.3	22.7	9.5	9192
1997	7	34	6	2	233	41	10.662	73	53.922	9/11/1997	10:34	0.3	21	8.2	8550
1997	7	34	6	2	234	41	10.19	73	53.93	9/11/1997	10:52	0.3	21.2	9	8837
1997	7	35	6	2	232	41	11.172	73	53.996	9/11/1997	10:07	0.3	20.8	10	8694
1997	7	35	6	2	274	41	11.17	73	53.71	9/11/1997	9:40	0.3	20.1	9.6	8713
1997	7	35	6	2	275	41	11.31	73	53.54	9/11/1997	9:16	0.3	21.3	9.2	8496
1997	7	36	4	2	227	41	11.02	73	57.41	9/12/1997	7:33	0.3	23.5	8.6	7294
1997	7	36	4	2	281	41	11.13	73	57.16	9/12/1997	7:24	0.3	24	8.5	7118
1997	7	36	6	2	276	41	12.17	73	53.51	9/11/1997	8:23	0.3	21.9	9.6	8390
1997	7	37	4	2	225	41	12.096	73	57.458	9/11/1997	7:34	0.3	23	8.7	8304
1997	7	38	4	2	221	41	13.43	73	57.79	9/10/1997	17:17	0.3	22.2	9.4	8021
1997	7	38	4	2	222	41	12.979	73	57.867	9/10/1997	17:52	0.3	22.2	9.5	8338
1997	7	38	4	2	278	41	12.96	73	57.828	9/10/1997	17:40	0.3	22.2	9.2	8232
1997	7	38	4	2	279	41	13.36	73	57.82	9/10/1997	17:33	0.3	22.6	9.4	8164
1997	7	38	4	2	280	41	13.4	73	57.81	9/10/1997	17:23	0.3	22.2	9.3	8032
1997	7	41	6	2	208	41	15.72	73	50.84	9/10/1997	17:04	0.3	23.1	8.8	7355
1997	7	42	6	2	207	41	15.3	73	57.8	9/10/1997	16:54	0.3	23.2	8.8	7236
1997	7	44	6	2	201	41	17.74	73	56.87	9/10/1997	16:42	0.3	22.5	9.1	6083
1997	7	46	4	2	198	41	19.7	73	59	9/10/1997	16:18	0.3	22.6	8.9	4030
1997	7	46	6	2	199	41	19.42	73	58.77	9/10/1997	16:28	0.3	22.9	8.1	4150

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1997	7	51	6	2	195	41	22.87	73	50.61	9/10/1997	15:48	0.3	22.5	8.5	2622
1997	7	52	6	2	193	41	24.12	73	57.31	9/10/1997	15:37	0.3	22.3	8.6	2686
1997	7	53	4	2	192	41	24.19	73	57.95	9/10/1997	15:24	0.3	22.1	8.3	2380
1997	7	53	6	2	191	41	24.882	73	57.554	9/10/1997	15:07	0.3	22.5	10	2947
1997	7	55	6	2	189	41	25.66	73	58.14	9/10/1997	14:52	0.3	22.5	8.5	1888
1997	7	56	4	4	187	41	26.83	74	0.5	9/10/1997	14:28	0.3	22.1	9.7	1608
1997	7	57	4	4	186	41	27.28	74	0.8	9/10/1997	14:07	0.3	22	8.2	1367
1997	7	59	6	4	179	41	29.24	73	59.34	9/10/1997	13:35	0.3	21.9	8.1	1285
1997	7	59	6	4	181	41	29.04	73	59.33	9/10/1997	13:50	0.3	22.1	8.2	1290
1997	7	60	6	4	178	41	29.25	73	59.32	9/10/1997	13:23	0.3	21.9	8	1274
1997	7	61	4	4	174	41	31.15	74	0.37	9/10/1997	12:59	0.3	22.2	8.8	844
1997	7	62	4	4	171	41	32.19	73	59.91	9/10/1997	12:41	0.3	23	8.6	623
1997	7	66	4	4	160	41	34.777	73	57.753	9/10/1997	12:09	0.3	22.6	9.6	408
1997	7	69	6	4	156	41	37.03	73	56.88	9/10/1997	11:48	0.3	22.8	8.1	355
1997	7	72	4	4	151	41	40.04	73	57.11	9/10/1997	11:15	0.3	22.7	10	299
1997	7	76	4	4	144					9/10/1997	10:49	0.3	22.5	8.5	291
1997	7	77	6	4	140	41	44.56	73	56.17	9/10/1997	10:33	0.3	22.7	8.3	287
1997	7	80	6	4	137	41	46.14	73	56.82	9/10/1997	10:02	0.3	22.4	8.4	285
1997	7	81	4	2	135	41	47.474	73	57.457	9/10/1997	8:56	0.3	21.9	8.6	285
1997	7	82	4	4	134	41	48.51	73	57.22	9/10/1997	8:27	0.3	22	8.6	280
1997	7	84	4	2	129	41	50.61	73	57.28	9/10/1997	8:06	0.3	21.5	8.6	280
1997	7	86	6	2	125	41	51.75	73	55.89	9/10/1997	7:53	0.3	21.2	8.6	273
1997	7	89	6	2	121	41	53.84	73	57.04	9/10/1997	7:41	0.3	21.3	8.6	279
1997	7	90	6	2	120	41	54.02	73	57.2	9/10/1997	7:24	0.3	21.3	8.4	276
1997	7	92	4	2	118	41	56.32	73	58.1	9/9/1997	17:51	0.3	22.2	10.2	285
1997	7	93	4	2	116	41	57.05	73	57.77	9/9/1997	17:38	0.3	21.9	8.8	273
1997	7	95	4	2	111	41	59.083	73	57.079	9/9/1997	17:09	0.3	21.4	9.2	267
1997	7	96	4	2	105	42	0.22	73	56.65	9/9/1997	16:41	0.3	22.4	10.2	266
1997	7	96	4	2	110	41	59.4	73	56.94	9/9/1997	16:58	0.3	22.3	10.4	263
1997	7	97	4	2	102	42	0.83	73	56.38	9/9/1997	16:13	0.3	23.8	12.2	261
1997	7	97	4	2	103	42	0.5	73	56.51	9/9/1997	16:30	0.3	23.2	10.8	262
1997	7	98	4	2	100	42	1.67	73	56.54	9/9/1997	15:43	0.3	22.4	10.6	263
1997	7	98	4	2	101	42	1.426	73	56.456	9/9/1997	16:00	0.3	21.8	9.8	265
1997	7	99	6	2	99	42	2.02	73	55.73	9/9/1997	15:22	0.3	22	9.6	264
1997	7	105	4	4	98	42	7.33	73	55.3	9/9/1997	14:47	0.3	23.8	11.7	256
1997	7	112	4	4	88	42	12.69	73	51.26	9/9/1997	13:59	0.3	22.2	9.8	269
1997	7	113	6	4	87	42	13.32	73	50.85	9/9/1997	13:37	0.3	22.2	9.5	266
1997	7	114	6	4	84	42	14.02	73	50.18	9/9/1997	13:21	0.3	22	9.8	274
1997	7	115	6	4	79	42	14.8	73	49	9/9/1997	13:05	0.3	22.4	9.4	275
1997	7	117	4	4	76	42	15.84	73	47.69	9/9/1997	12:36	0.3	22.4	10	271
1997	7	118	4	4	75	42	16.12	73	47.49	9/9/1997	12:00	0.3	22	9.8	274
1997	7	121	4	4	68	42	18.53	73	47.1	9/9/1997	11:48	0.3	22.1	10.1	273
1997	7	122	4	4	61	42	20.29	73	47.24	9/9/1997	11:20	0.3	21.7	10	272

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	7	122	6	4	62	42	20.105	73	46.848	9/9/1997	11:34	0.3	21.8	9.8	270
1997	7	123	4	4	60	42	20.64	73	47.39	9/9/1997	11:06	0.3	21.7	9.8	272
1997	7	129	4	2	40	42	25.67	73	46.67	9/9/1997	10:30	0.3	21.9	10.3	282
1997	7	132	4	2	30					9/9/1997	9:58	0.3	22	8.8	285
1997	7	134	4	2	27	42	30.17	73	46.88	9/9/1997	9:18	0.3	21.9	8.4	275
1997	7	134	4	2	28	42	30.027	73	46.913	9/9/1997	9:36	0.3	21.9	8.4	281
1997	7	138	4	2	20	42	33.5	73	45.35	9/9/1997	8:30	0.3	20.9	8.6	267
1997	7	138	4	2	21	42	33.51	73	45.33	9/9/1997	8:45	0.3	20.8	8.3	270
1997	7	140	4	2	13	42	34.59	73	45.25	9/9/1997	8:13	0.3	20.8	8.7	270
1997	8	14	4	2	265					9/22/1997	11:54	0.3	22.9	12.6	17683
1997	8	15	4	2	263	40	54.252	73	55.961	9/22/1997	11:35	0.3	22.8	12.4	15635
1997	8	19	6	2	259	40	57.735	73	53.561	9/22/1997	11:16	0.3	22.1	10	14595
1997	8	21	6	2	257	40	59.13	73	53.13	9/22/1997	10:59	0.3	23.1	9.6	12845
1997	8	23	6	2	255	41	0.74	73	52.83	9/22/1997	10:45	0.3	22.2	9.1	13298
1997	8	24	6	2	252	41	2.057	73	52.505	9/22/1997	12:25	0.3	23.1	12.1	11395
1997	8	24	6	4	252	41	2.057	73	52.505	9/25/1997	11:34	0.3	20.5	8.8	13671
1997	8	24	6	4	253	41	1.169	73	52.711	9/25/1997	11:16	0.3	19.9	7.8	13513
1997	8	25	4	4	250	41	2.86	73	55.07	9/25/1997	10:35	0.3	19	9	11855
1997	8	25	4	4	270	41	2.783	73	55.05	9/25/1997	10:48	0.3	19	9.5	11742
1997	8	25	6	4	251	41	2.46	73	52.42	9/25/1997	11:49	0.3	20.9	8.6	13231
1997	8	26	4	4	246	41	3.6	73	55.2	9/22/1997	9:58	0.3	20.3	9.9	11422
1997	8	26	4	4	271	41	3.77	73	55.22	9/22/1997	9:47	0.3	20.9	10.6	11713
1997	8	26	4	4	283	41	8.34	73	54.4	9/22/1997	10:15	0.3	20.5	10.5	11483
1997	8	26	4	4	246	41	3.6	73	55.2	9/25/1997	10:09	0.3	18.2	8.6	11371
1997	8	26	4	4	271	41	3.77	73	55.22	9/25/1997	9:58	0.3	17.7	8.8	11030
1997	8	26	6	2	247	41	3.891	73	52.077	9/22/1997	12:40	0.3	22.9	9.7	11026
1997	8	26	6	4	249	41	2.67	73	52.3	9/25/1997	12:02	0.3	20.5	8.1	13124
1997	8	27	4	4	272	41	4.49	73	55.14	9/22/1997	9:30	0.3	20.3	8.1	11422
1997	8	27	4	4	245	41	4.19	73	55.21	9/25/1997	9:45	0.3	18	10.4	10728
1997	8	28	6	2	243	41	5.683	73	52.214	9/22/1997	13:09	0.3	22.8	9.6	9485
1997	8	28	6	2	244	41	5.33	73	52.33	9/22/1997	12:54	0.3	23	9.4	9550
1997	8	30	4	4	241	41	7.14	73	54.77	9/22/1997	9:15	0.3	20.3	7.9	11093
1997	8	31	4	2	285	41	3.607	73	55.196	9/25/1997	9:13	0.3	19.4	8.3	10635
1997	8	32	4	4	239	41	8.81	73	54.6	9/22/1997	8:25	0.3	21.8	9.7	9791
1997	8	32	4	4	240	41	8.48	73	54.42	9/22/1997	8:45	0.3	21.6	9.4	9939
1997	8	32	4	1	239	41	8.81	73	54.6	9/25/1997	8:38	0.3	19.6	7.8	9475
1997	8	32	4	2	240	41	8.48	73	54.42	9/25/1997	8:51	0.3	19.5	8.3	10612
1997	8	32	6	2	238	41	8.85	73	52.123	9/22/1997	13:31	0.3	22.8	9.3	9381
1997	8	35	4	2	229	41	10.59	73	56.41	9/25/1997	8:22	0.3	20.9	7.6	7591
1997	8	35	4	2	277	41	10.95	73	57.06	9/25/1997	8:14	0.3	20.7	7.5	7406
1997	8	35	6	4	231	41	11.23	73	53.69	9/25/1997	12:38	0.3	19.5	9	7931
1997	8	35	6	4	275	41	11.31	73	53.54	9/25/1997	12:52	0.3	19.6	9	7914
1997	8	36	4	2	227	41	11.02	73	57.41	9/25/1997	8:06	0.3	20.8	7.5	7390

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	8	36	4	2	281	41	11.13	73	57.16	9/25/1997	7:58	0.3	21	7.5	7467
1997	8	36	4	2	282	41	11.2	73	57.17	9/25/1997	7:49	0.3	21	7.5	7467
1997	8	37	4	2	225	41	12.096	73	57.458	9/25/1997	7:35	0.3	20.9	7.4	6615
1997	8	38	4	2	221	41	13.43	73	57.79	9/24/1997	17:34	0.3	23	7.3	6436
1997	8	38	4	2	222	41	12.979	73	57.867	9/24/1997	17:59	0.3	23	7.5	6436
1997	8	38	4	2	223	41	12.89	73	57.806	9/24/1997	18:17	0.3	23	7.7	6436
1997	8	38	4	2	278	41	12.96	73	57.828	9/24/1997	18:09	0.3	23	7.7	6436
1997	8	38	4	2	279	41	13.36	73	57.82	9/24/1997	17:50	0.3	23	7.5	6436
1997	8	38	4	2	280	41	13.4	73	57.81	9/24/1997	17:40	0.3	23	7.2	6436
1997	8	40	6	2	210	41	14.87	73	57.74	9/24/1997	17:11	0.3	23.5	6.8	6061
1997	8	43	6	2	204	41	16.693	73	56.484	9/24/1997	16:24	0.3	23	6.9	4256
1997	8	43	6	2	205	41	16.413	73	56.551	9/24/1997	16:43	0.3	22.8	7.7	4326
1997	8	46	4	2	198	41	19.7	73	59	9/24/1997	15:44	0.3	22.4	7.5	2575
1997	8	46	6	4	199	41	19.42	73	58.77	9/24/1997	16:02	0.3	22.5	7	3199
1997	8	49	4	2	196	41	21.16	73	57.74	9/24/1997	15:25	0.3	22	7.7	3912
1997	8	52	6	4	193	41	24.12	73	57.31	9/24/1997	14:47	0.3	22.5	7.6	2035
1997	8	52	6	4	194	41	24.12	73	56.81	9/24/1997	15:05	0.3	22.5	7.6	2045
1997	8	53	4	4	192	41	24.19	73	57.95	9/24/1997	14:31	0.3	21.9	8.1	1604
1997	8	55	6	4	189	41	25.66	73	58.14	9/24/1997	14:09	0.3	21.6	7.7	1496
1997	8	57	4	4	186	41	27.28	74	0.8	9/24/1997	12:44	0.3	21.9	9.5	871
1997	8	58	4	4	184	41	27.78	74	0.7	9/24/1997	12:30	0.3	21.8	9.6	873
1997	8	59	6	4	179	41	29.24	73	59.34	9/24/1997	13:02	0.3	19.5	8.4	726
1997	8	60	6	4	176	41	29.57	73	59.06	9/24/1997	12:30	0.3	19.5	8.2	748
1997	8	60	6	4	177	41	29.52	73	59.24	9/24/1997	12:44	0.3	19.5	8.4	726
1997	8	61	4	4	174	41	31.15	74	0.37	9/24/1997	11:40	0.3	22	7.8	450
1997	8	62	4	4	171	41	32.19	73	59.91	9/24/1997	11:21	0.3	22	7.6	371
1997	8	64	4	4	164	41	33.37	73	59.18	9/24/1997	10:57	0.3	22	7.1	334
1997	8	69	4	4	155	41	37.44	73	57.43	9/24/1997	10:33	0.3	21.5	8	255
1997	8	72	6	4	152	41	39.77	73	56.55	9/24/1997	10:16	0.3	20.9	7.7	266
1997	8	76	4	2	146	41	42.94	73	56.87	9/24/1997	9:50	0.3	20.5	8.3	257
1997	8	77	6	2	141	41	44.46	73	56.21	9/24/1997	9:08	0.3	20.5	7	254
1997	8	77	6	2	142	41	43.92	73	56.14	9/24/1997	9:28	0.3	20.4	7	256
1997	8	80	6	2	137	41	46.14	73	56.82	9/24/1997	8:46	0.3	20.9	7	247
1997	8	83	4	2	131	41	49.33	73	57.31	9/24/1997	8:19	0.3	19.9	7.6	234
1997	8	84	4	2	129	41	50.61	73	57.28	9/24/1997	8:00	0.3	20	7.4	233
1997	8	86	6	2	125	41	51.75	73	55.89	9/24/1997	7:45	0.3	19.5	7.6	222
1997	8	89	6	2	121	41	53.84	73	57.04	9/24/1997	7:24	0.3	19.9	7.5	227
1997	8	91	6	2	119	41	55.847	73	56.774	9/23/1997	18:13	0.3	20	7.8	282
1997	8	93	4	2	116	41	57.05	73	57.77	9/23/1997	17:30	0.3	19.8	8	277
1997	8	93	6	2	117	41	57.036	73	56.721	9/23/1997	17:50	0.3	20.1	8	277
1997	8	94	4	2	115	41	57.78	73	57.47	9/23/1997	17:20	0.3	19.8	8	277
1997	8	95	4	2	111	41	59.083	73	57.079	9/23/1997	16:57	0.3	19.8	8	272
1997	8	96	4	4	105	42	0.22	73	56.65	9/23/1997	16:20	0.3	20.1	8.9	275

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	8	96	4	2	110	41	59.4	73	56.94	9/23/1997	16:42	0.3	20.1	9	275
1997	8	98	4	4	100	42	1.67	73	56.54	9/23/1997	15:44	0.3	20.1	9.1	275
1997	8	98	4	4	101	42	1.426	73	56.456	9/23/1997	15:58	0.3	20.1	9	276
1997	8	99	6	4	99	42	2.02	73	55.73	9/23/1997	15:27	0.3	20.5	10	268
1997	8	105	4	2	97	42	7.68	73	55.13	9/23/1997	14:40	0.3	20	12	321
1997	8	105	4	4	98	42	7.33	73	55.3	9/23/1997	14:58	0.3	20.1	9.4	277
1997	8	112	4	4	88	42	12.69	73	51.26	9/23/1997	13:47	0.3	19.5	9.3	270
1997	8	114	4	4	83	42	14.26	73	50.71	9/23/1997	13:27	0.3	20.1	8.5	270
1997	8	115	6	4	79	42	14.8	73	49	9/23/1997	12:51	0.3	20.5	8.9	272
1997	8	115	6	4	80	42	14.8	73	49.1	9/23/1997	13:11	0.3	20.5	8.9	272
1997	8	117	4	4	76	42	15.84	73	47.69	9/23/1997	12:30	0.3	19.1	8.9	270
1997	8	118	4	4	75	42	16.12	73	47.49	9/23/1997	12:18	0.3	19.1	8.8	270
1997	8	119	6	4	71	42	17.16	73	46.8	9/23/1997	11:56	0.3	19.1	9	261
1997	8	119	6	4	72	42	16.82	73	47.28	9/23/1997	12:08	0.3	19.1	9	259
1997	8	121	4	4	65	42	19.307	73	47.217	9/23/1997	11:08	0.3	19.7	8.8	256
1997	8	121	4	4	68	42	18.53	73	47.1	9/23/1997	11:26	0.3	19.8	9	255
1997	8	126	4	2	50	42	23.21	73	47.62	9/23/1997	10:40	0.3	19.5	8.5	240
1997	8	129	4	2	40	42	25.67	73	46.67	9/23/1997	10:21	0.3	19.9	8	234
1997	8	139	6	2	18	42	34.14	73	45.24	9/23/1997	9:51	0.3	19.7	7.6	226
1997	8	140	4	2	10					9/23/1997	9:37	0.3	20	7.4	227
1997	8	145	6	2	5	42	39.19	73	44.41	9/23/1997	8:57	0.3	19	8.1	224
1997	8	148	6	2	3	42	41.41	73	42.584	9/23/1997	8:24	0.3	18.9	8.4	204
1997	8	149	6	2	2	42	42	73	42.07	9/23/1997	8:10	0.3	18.9	8.5	204
1997	9	18	4	2	260	40	56.889	73	55.1	10/6/1997	11:09	0.3	19.2	8.8	15627
1997	9	18	6	2	261	40	56.27	73	54.17	10/6/1997	10:55	0.3	19.2	8.2	16638
1997	9	22	6	2	256	40	59.97	73	53.05	10/6/1997	10:35	0.3	19	7.9	14113
1997	9	23	6	2	254	41	1.086	73	52.681	10/6/1997	10:11	0.3	18.8	7.9	13493
1997	9	23	6	2	255	41	0.74	73	52.83	10/6/1997	10:22	0.3	19	8.5	12419
1997	9	25	6	4	251	41	2.46	73	52.42	10/9/1997	11:24	0.3	19.6	8.1	14379
1997	9	26	4	2	283	41	8.34	73	54.4	10/6/1997	11:45	0.3	19.1	10.2	12505
1997	9	26	4	4	246	41	3.6	73	55.2	10/9/1997	10:42	0.3	19.2	8.4	11242
1997	9	26	4	4	271	41	3.77	73	55.22	10/9/1997	10:29	0.3	19	8.5	11290
1997	9	26	4	4	283	41	8.34	73	54.4	10/9/1997	11:00	0.3	19.2	8.7	11467
1997	9	26	6	4	247	41	3.891	73	52.077	10/9/1997	12:01	0.3	19.9	9.6	13402
1997	9	26	6	4	248	41	3.273	73	52.221	10/9/1997	11:49	0.3	19.9	8.5	13513
1997	9	26	6	4	249	41	2.67	73	52.3	10/9/1997	11:40	0.3	20	8.7	14147
1997	9	27	4	2	245	41	4.19	73	55.21	10/6/1997	11:59	0.3	19.2	10.5	12366
1997	9	27	4	2	272	41	4.49	73	55.14	10/6/1997	12:10	0.3	19.5	9.8	12176
1997	9	28	6	2	243	41	5.683	73	52.214	10/6/1997	9:40	0.3	18.9	8	13577
1997	9	28	6	2	244	41	5.33	73	52.33	10/6/1997	9:48	0.3			
1997	9	28	6	4	243	41	5.683	73	52.214	10/9/1997	12:28	0.3	19.9	9.6	11851
1997	9	28	6	4	244	41	5.33	73	52.33	10/9/1997	12:20	0.3	20.1	9.5	11912
1997	9	30	4	2	241	41	7.14	73	54.77	10/6/1997	12:28	0.3	20	9	11053

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	9	31	4	4	285	41	3.607	73	55.196	10/9/1997	10:07	0.3	19.9	8.1	9525
1997	9	32	4	2	239	41	8.81	73	54.6	10/6/1997	13:02	0.3	20.5	8.5	9843
1997	9	32	4	2	240	41	8.48	73	54.42	10/6/1997	12:45	0.3	20	8.5	10942
1997	9	32	4	4	240	41	8.48	73	54.42	10/9/1997	9:57	0.3	19.9	7.6	9415
1997	9	32	6	2	237	41	9.274	73	52.181	10/6/1997	9:09	0.3	18.8	8	10772
1997	9	32	6	2	238	41	8.85	73	52.123	10/6/1997	9:24	0.3	19	7.9	10951
1997	9	32	6	4	269	41	9.445	73	52.243	10/6/1997	8:53	0.3	18.5	8	10955
1997	9	32	6	4	238	41	8.85	73	52.123	10/9/1997	13:49	0.3	21	8.8	9956
1997	9	33	6	4	236	41	9.79	73	52.202	10/6/1997	8:23	0.3	18.5	8	10841
1997	9	35	4	4	229	41	10.59	73	56.41	10/9/1997	9:30	0.3	20.7	7.9	7841
1997	9	35	4	4	230	41	10.59	73	56.39	10/9/1997	9:40	0.3	20.6	7.7	7858
1997	9	35	4	4	277	41	10.95	73	57.06	10/9/1997	9:16	0.3	20.3	7.6	7908
1997	9	35	6	2	231	41	11.23	73	53.69	10/9/1997	13:12	0.3	20.8	10.8	8694
1997	9	35	6	4	275	41	11.31	73	53.54	10/9/1997	13:20	0.3	20.5	10.6	8749
1997	9	36	4	4	227	41	11.02	73	57.41	10/9/1997	9:07	0.3	20.1	7.6	7941
1997	9	36	4	4	281	41	11.13	73	57.16	10/9/1997	8:55	0.3	20.6	7.5	7967
1997	9	36	4	4	282	41	11.2	73	57.17	10/9/1997	8:49	0.3	20.2	7.5	7924
1997	9	38	4	4	221	41	13.43	73	57.79	10/9/1997	7:40	0.3	20.9	7.5	7700
1997	9	38	4	4	222	41	12.979	73	57.867	10/9/1997	8:18	0.3	20.5	7.5	7765
1997	9	38	4	4	223	41	12.89	73	57.806	10/9/1997	8:29	0.3	20.6	7.4	7749
1997	9	38	4	4	278	41	12.96	73	57.828	10/9/1997	8:08	0.3	20.7	7.6	7950
1997	9	38	4	4	279	41	13.36	73	57.82	10/9/1997	8:00	0.3	20.7	7.5	7841
1997	9	38	4	4	280	41	13.4	73	57.81	10/9/1997	7:50	0.3	20.8	7.4	7716
1997	9	41	6	2	208	41	15.72	73	50.84	10/8/1997	17:30	0.3	21.6	7.9	6412
1997	9	43	6	2	203	41	16.91	73	56.26	10/8/1997	16:34	0.3	20.9	7.8	5422
1997	9	43	6	2	204	41	16.693	73	56.484	10/8/1997	16:56	0.3	20.7	8.4	5010
1997	9	44	6	2	201	41	17.74	73	56.87	10/8/1997	16:22	0.3	21	8.2	5303
1997	9	46	4	2	198	41	19.7	73	59	10/8/1997	16:04	0.3	20.7	7.9	5097
1997	9	52	6	2	193	41	24.12	73	57.31	10/8/1997	15:43	0.3	20	8	2409
1997	9	53	4	2	192	41	24.19	73	57.95	10/8/1997	15:25	0.3	19.8	8.2	2242
1997	9	53	6	2	191	41	24.882	73	57.554	10/8/1997	15:05	0.3	19.6	9.3	1917
1997	9	54	6	2	190	41	24.961	73	57.702	10/8/1997	14:50	0.3	19.5	8.8	1340
1997	9	55	6	2	189	41	25.66	73	58.14	10/8/1997	14:40	0.3	19.8	8.5	1243
1997	9	57	4	2	185	41	27.68	74	0.73	10/8/1997	14:16	0.3	19.1	9.2	924
1997	9	58	4	2	184	41	27.78	74	0.7	10/8/1997	14:07	0.3	19.3	9	909
1997	9	59	6	2	179	41	29.24	73	59.34	10/8/1997	13:39	0.3	19.8	8.8	866
1997	9	59	6	2	180	41	29.08	73	59.37	10/8/1997	13:48	0.3	19.7	8.6	879
1997	9	60	6	2	177	41	29.52	73	59.24	10/8/1997	13:07	0.3	19.4	8.2	840
1997	9	60	6	2	178	41	29.25	73	59.32	10/8/1997	13:22	0.3	19.6	8.3	836
1997	9	69	6	4	158	41	36.94	73	56.81	10/8/1997	12:28	0.3	20	7.8	273
1997	9	71	4	4	153	41	39.06	73	57.257	10/8/1997	12:11	0.3	19.8	8	259
1997	9	72	4	4	151	41	40.04	73	57.11	10/8/1997	11:40	0.3	19.7	9.5	257
1997	9	74	4	4	147	41	41.29	73	56.8	10/8/1997	11:06	0.3	19.2	9.4	259

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	9	76	4	4	144					10/8/1997	10:46	0.3	19	8	259
1997	9	80	6	4	137	41	46.14	73	56.82	10/8/1997	10:18	0.3	18.8	8.2	270
1997	9	83	4	4	131	41	49.33	73	57.31	10/8/1997	8:52	0.3	18	8.9	264
1997	9	83	4	4	133	41	48.74	73	57.19	10/8/1997	9:27	0.3	18.2	8.5	255
1997	9	84	4	2	129	41	50.61	73	57.28	10/8/1997	8:22	0.3	18	8.5	255
1997	9	85	6	2	127	41	51.18	73	56.5	10/8/1997	8:08	0.3	18	8.5	255
1997	9	89	6	2	121	41	53.84	73	57.04	10/8/1997	7:53	0.3	17.9	8.6	255
1997	9	90	6	2	120	41	54.02	73	57.2	10/8/1997	7:40	0.3	17.8	8.2	254
1997	9	91	6	2	119	41	55.847	73	56.774	10/7/1997	17:22	0.3	18.6	9	256
1997	9	92	4	2	118	41	56.32	73	58.1	10/7/1997	17:05	0.3	19.1	11.1	283
1997	9	93	4	2	116	41	57.05	73	57.77	10/7/1997	16:51	0.3	18.1	9.3	266
1997	9	94	4	2	115	41	57.78	73	57.47	10/7/1997	16:36	0.3	18.1	9.2	259
1997	9	95	4	2	111	41	59.083	73	57.079	10/7/1997	16:25	0.3	18.9	10.1	261
1997	9	96	4	2	105	42	0.22	73	56.65	10/7/1997	15:48	0.3	20.1	10.6	260
1997	9	96	4	2	108	41	59.76	73	56.81	10/7/1997	16:02	0.3	20.2	10.9	256
1997	9	96	4	2	110	41	59.4	73	56.94	10/7/1997	16:12	0.3	18.7	9.3	256
1997	9	97	4	2	102	42	0.83	73	56.38	10/7/1997	15:16	0.3	20.8	11.3	262
1997	9	97	4	2	103	42	0.5	73	56.51	10/7/1997	15:31	0.3	20	10.8	258
1997	9	98	4	2	100	42	1.67	73	56.54	10/7/1997	14:50	0.3	18.8	9.5	259
1997	9	98	4	2	101	42	1.426	73	56.456	10/7/1997	15:02	0.3	18.2	9.4	263
1997	9	114	4	4	83	42	14.26	73	50.71	10/7/1997	13:15	0.3	18.2	11.5	255
1997	9	114	6	4	84	42	14.02	73	50.18	10/7/1997	13:33	0.3	19.1	10.8	259
1997	9	115	6	4	79	42	14.8	73	49	10/7/1997	12:30	0.3	18.2	11	260
1997	9	118	4	4	73	42	16.76	73	47.67	10/7/1997	11:50	0.3	17.9	12.1	276
1997	9	118	4	4	75	42	16.12	73	47.49	10/7/1997	12:12	0.3	18	10.4	260
1997	9	121	4	4	67	42	18.82	73	46.89	10/7/1997	11:10	0.3	17.9	10.9	258
1997	9	121	4	4	68	42	18.53	73	47.1	10/7/1997	11:28	0.3	18	11.1	256
1997	9	121	6	4	66	42	19.33	73	46.85	10/7/1997	11:03	0.3	18	11.1	256
1997	9	122	4	4	61	42	20.29	73	47.24	10/7/1997	10:45	0.3	17.5	10.4	255
1997	9	123	4	4	60	42	20.64	73	47.39	10/7/1997	10:32	0.3	17.1	10.4	260
1997	9	125	6	4	52	42	22.39	73	47.45	10/7/1997	10:20	0.3	16.9	10.3	258
1997	9	129	6	4	39	42	25.879	73	46.76	10/7/1997	9:59	0.3	16.6	8.9	252
1997	9	139	6	2	17	42	34.22	73	45.02	10/7/1997	9:25	0.3	16.1	9.2	249
1997	9	140	4	2	10					10/7/1997	8:22	0.3	16.1	9.2	251
1997	9	140	4	2	13	42	34.59	73	45.25	10/7/1997	9:10	0.3	15.9	9.1	250
1997	9	140	6	2	11					10/7/1997	8:42	0.3	16	9.2	252
1997	9	140	6	2	12					10/7/1997	8:54	0.3	15.8	9.3	252
1997	10	15	4	4	263	40	54.252	73	55.961	10/23/1997	10:26	0.3	13.9	7.9	19197
1997	10	18	6	4	261	40	56.27	73	54.17	10/23/1997	10:42	0.3	13	9.1	18307
1997	10	19	6	4	259	40	57.735	73	53.561	10/23/1997	11:01	0.3	13	8.6	16631
1997	10	21	6	4	257	40	59.13	73	53.13	10/23/1997	11:19	0.3	13.5	8.4	16569
1997	10	22	6	4	256	40	59.97	73	53.05	10/23/1997	11:39	0.3	13.6	8.8	15386
1997	10	24	6	4	252	41	2.057	73	52.505	10/23/1997	12:05	0.3	13.4	9.1	14435

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1997	10	24	6	4	253	41	1.169	73	52.711	10/23/1997	11:51	0.3	13.2	9.3	15015
1997	10	25	4	4	250	41	2.86	73	55.07	10/23/1997	9:42	0.3	11.9	9	14285
1997	10	25	4	4	270	41	2.783	73	55.05	10/23/1997	9:51	0.3	11.5	8.9	14421
1997	10	25	6	2	251	41	2.46	73	52.42	10/23/1997	12:15	0.3	14	9.1	13735
1997	10	26	4	4	246	41	3.6	73	55.2	10/23/1997	9:18	0.3	11.8	9.1	14451
1997	10	26	4	4	271	41	3.77	73	55.22	10/23/1997	9:11	0.3	11.8	9.1	14451
1997	10	26	4	4	283	41	8.34	73	54.4	10/23/1997	9:25	0.3	11.4	9.5	14589
1997	10	26	6	2	247	41	3.891	73	52.077	10/23/1997	12:46	0.3	13.4	9.6	14052
1997	10	26	6	2	248	41	3.273	73	52.221	10/23/1997	12:34	0.3	14	8.9	13861
1997	10	26	6	2	249	41	2.67	73	52.3	10/23/1997	12:25	0.3	14	8.8	14491
1997	10	27	4	4	245	41	4.19	73	55.21	10/23/1997	9:01	0.3	11.8	9.9	14054
1997	10	27	4	4	272	41	4.49	73	55.14	10/23/1997	8:47	0.3	12	8.6	13460
1997	10	28	6	2	243	41	5.683	73	52.214	10/23/1997	13:09	0.3	14.5	9.1	12459
1997	10	28	6	2	244	41	5.33	73	52.33	10/23/1997	13:00	0.3	14.5	9.1	12459
1997	10	29	4	4	242	41	6.1	73	54.88	10/23/1997	8:33	0.3	13	8.5	13021
1997	10	30	4	4	241	41	7.14	73	54.77	10/23/1997	8:23	0.3	13	8.5	13021
1997	10	31	4	4	285	41	3.607	73	55.196	10/23/1997	8:12	0.3	13.3	8.2	12420
1997	10	32	4	2	239	41	8.81	73	54.6	10/23/1997	7:52	0.3	13.8	8	11646
1997	10	32	4	4	240	41	8.48	73	54.42	10/23/1997	8:04	0.3	13.2	8.2	12448
1997	10	32	6	2	237	41	9.274	73	52.181	10/23/1997	13:35	0.3	14.2	10	10662
1997	10	32	6	2	238	41	8.85	73	52.123	10/23/1997	13:23	0.3	14	9.6	10711
1997	10	32	6	2	269	41	9.445	73	52.243	10/23/1997	13:43	0.3	14.1	9.8	10686
1997	10	33	6	2	236	41	9.79	73	52.202	10/23/1997	13:51	0.3	14.5	10.1	10590
1997	10	34	6	2	233	41	10.662	73	53.922	10/23/1997	14:34	0.3	14	9.9	10081
1997	10	34	6	2	234	41	10.19	73	53.93	10/23/1997	14:24	0.3	14	9.9	10081
1997	10	34	6	2	235	41	10.632	73	52.59	10/23/1997	14:07	0.3	12.2	10.6	11164
1997	10	35	4	2	229	41	10.59	73	56.41	10/23/1997	15:24	0.3	15.8	8	8472
1997	10	35	6	2	231	41	11.23	73	53.69	10/23/1997	15:05	0.3	14	10	9955
1997	10	35	6	2	232	41	11.172	73	53.996	10/23/1997	14:47	0.3	13.9	10	9977
1997	10	35	6	2	274	41	11.17	73	53.71	10/23/1997	14:56	0.3	13.9	10	9977
1997	10	36	4	2	281	41	11.13	73	57.16	10/23/1997	15:36	0.3	15.1	8.3	8728
1997	10	36	4	2	282	41	11.2	73	57.17	10/23/1997	15:45	0.3	15.1	8.3	8605
1997	10	38	4	2	221	41	13.43	73	57.79	10/23/1997	16:37	0.3	15.6	7.7	8510
1997	10	38	4	2	222	41	12.979	73	57.867	10/23/1997	16:07	0.3	15.9	7.9	8453
1997	10	38	4	2	223	41	12.89	73	57.806	10/23/1997	15:59	0.3	15.9	7.9	8453
1997	10	38	4	2	279	41	13.36	73	57.82	10/23/1997	16:18	0.3	15.6	8	8510
1997	10	38	4	2	280	41	13.4	73	57.81	10/23/1997	16:27	0.3	15.6	8	8510
1997	10	39	4	2	215	41	13.62	73	58.34	10/22/1997	17:34	0.3	16	8.1	7832
1997	10	40	4	2	209	41	14.97	73	58	10/22/1997	17:05	0.3	16.8	7.5	7104
1997	10	40	4	2	214	41	14.31	73	58.5	10/22/1997	17:21	0.3	14.9	8.2	8149
1997	10	43	6	2	205	41	16.413	73	56.551	10/22/1997	17:52	0.3	15	8.4	5544
1997	10	46	4	2	198	41	19.7	73	59	10/22/1997	16:36	0.3	16.8	7.3	5091
1997	10	51	6	2	195	41	22.87	73	50.61	10/22/1997	16:13	0.3	16	8.3	2964

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1997	10	52	6	2	193	41	24.12	73	57.31	10/22/1997	15:46	0.3	16.1	8.3	2621
1997	10	52	6	2	194	41	24.12	73	56.81	10/22/1997	15:55	0.3	16.1	8.2	2621
1997	10	54	6	2	190	41	24.961	73	57.702	10/22/1997	15:24	0.3	16	8.8	2663
1997	10	55	6	2	189	41	25.66	73	58.14	10/22/1997	15:12	0.3	16	9.1	2169
1997	10	57	4	4	186	41	27.28	74	0.8	10/22/1997	14:50	0.3	17	8.8	1426
1997	10	58	4	4	183	41	28.02	74	0.87	10/22/1997	14:25	0.3	16.2	9.1	1260
1997	10	58	4	4	184	41	27.78	74	0.7	10/22/1997	14:39	0.3	17	8.8	1415
1997	10	59	6	4	180	41	29.08	73	59.37	10/22/1997	14:06	0.3	15	9.2	1294
1997	10	60	6	4	177	41	29.52	73	59.24	10/22/1997	13:56	0.3	15	9.2	1294
1997	10	61	4	4	174	41	31.15	74	0.37	10/22/1997	13:31	0.3	16.1	7.9	625
1997	10	64	4	4	163	41	33.48	73	59.05	10/22/1997	13:10	0.3	17.5	8.4	501
1997	10	66	4	4	160	41	34.777	73	57.753	10/22/1997	12:50	0.3	16.8	8.6	414
1997	10	71	4	4	153	41	39.06	73	57.257	10/22/1997	12:22	0.3	16.2	8	264
1997	10	73	6	4	150	41	40.28	73	56.49	10/22/1997	12:07	0.3	15	8.2	277
1997	10	76	4	4	146	41	42.94	73	56.87	10/22/1997	11:50	0.3	16	8	263
1997	10	77	6	4	140	41	44.56	73	56.17	10/22/1997	9:54	0.3	15.1	8	258
1997	10	78	6	4	138	41	45.18	73	56.22	10/22/1997	10:11	0.3	15	7.7	269
1997	10	80	6	4	137	41	46.14	73	56.82	10/22/1997	10:26	0.3	14.5	7.7	259
1997	10	82	4	4	134	41	48.51	73	57.22	10/22/1997	10:52	0.3	15.2	8.1	262
1997	10	83	4	4	131	41	49.33	73	57.31	10/22/1997	11:18	0.3	14.7	8.7	262
1997	10	87	4	2	123	41	52.616	73	57.292	10/20/1997	17:18	0.3	16.7	9.7	260
1997	10	89	6	2	121	41	53.84	73	57.04	10/20/1997	17:01	0.3	15.9	9.5	260
1997	10	90	6	2	120	41	54.02	73	57.2	10/20/1997	16:45	0.3	15.9	9.5	260
1997	10	92	4	2	118	41	56.32	73	58.1	10/20/1997	16:32	0.3	15.5	10.3	274
1997	10	93	4	2	116	41	57.05	73	57.77	10/20/1997	16:18	0.3	15.4	9.5	259
1997	10	94	5	2	113	41	58.38	73	57.25	10/20/1997	16:00	0.3	15.2	9.5	259
1997	10	95	4	2	111	41	59.083	73	57.079	10/20/1997	15:49	0.3	15.2	9.5	258
1997	10	96	4	2	105	42	0.22	73	56.65	10/20/1997	15:40	0.3	15.3	9.6	257
1997	10	97	4	2	102	42	0.83	73	56.38	10/20/1997	15:19	0.3	16.7	10.4	260
1997	10	97	4	2	103	42	0.5	73	56.51	10/20/1997	15:30	0.3	15.2	9.5	258
1997	10	98	4	2	100	42	1.67	73	56.54	10/20/1997	15:08	0.3	15	9.7	259
1997	10	105	4	2	97	42	7.68	73	55.13	10/20/1997	14:31	0.3	15.9	10.4	260
1997	10	105	4	2	98	42	7.33	73	55.3	10/20/1997	14:44	0.3	15.7	10.3	257
1997	10	106	4	2	96	42	8.147	73	54.796	10/20/1997	14:18	0.3	15.2	10	356
1997	10	114	4	4	81	42	14.39	73	50.549	10/20/1997	13:20	0.3	15.6	11.2	255
1997	10	115	6	4	80	42	14.8	73	49.1	10/20/1997	13:04	0.3	15.1	10.9	257
1997	10	119	4	4	72	42	16.82	73	47.28	10/20/1997	12:47	0.3	14.7	9.5	258
1997	10	119	6	4	70	42	17.317	73	47.373	10/20/1997	12:31	0.3	14.5	12	259
1997	10	121	4	4	68	42	18.53	73	47.1	10/20/1997	12:09	0.3	15	11.5	259
1997	10	122	6	4	62	42	20.105	73	46.848	10/20/1997	11:29	0.3	14.8	11.1	257
1997	10	122	6	4	64	42	19.9	73	46.8	10/20/1997	11:56	0.3	14.8	11.2	257
1997	10	123	4	4	60	42	20.64	73	47.39	10/20/1997	11:18	0.3	14.9	11.2	257
1997	10	124	4	4	55	42	21.64	73	47.62	10/20/1997	11:01	0.3	15	11	259

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1997	10	124	6	4	56	42	21.49	73	47.29	10/20/1997	10:52	0.3	14.8	11	257
1997	10	128	6	4	45					10/20/1997	10:32	0.3	14.3	9.7	252
1997	10	129	4	4	40	42	25.67	73	46.67	10/20/1997	10:15	0.3	14.9	9.4	249
1997	10	129	4	4	41	42	25.79	73	46.99	10/20/1997	10:05	0.3	15	9.2	249
1997	10	134	4	4	27	42	30.17	73	46.88	10/20/1997	9:41	0.3	14	9	239
1997	10	138	4	4	20	42	33.5	73	45.35	10/20/1997	9:21	0.3	14	9.5	224
1997	10	140	4	4	13	42	34.59	73	45.25	10/20/1997	9:10	0.3	14	9.3	227
1997	10	145	6	4	5	42	39.19	73	44.41	10/20/1997	8:45	0.3	13.2	9.4	230
1998	1	16	4	4	262	40	54.9	73	55.7	6/18/1998	11:05	0.3	25	6.5	3984
1998	1	18	4	4	260	40	56.889	73	55.1	6/18/1998	10:38	0.3	25	6.4	3765
1998	1	23	6	4	255	41	0.74	73	52.83	6/18/1998	11:28	0.3	23.9	7.6	2771
1998	1	25	4	4	250	41	2.86	73	55.07	6/18/1998	9:41	0.3	23	9.8	2823
1998	1	25	4	4	270	41	2.783	73	55.05	6/18/1998	9:52	0.3	23.3	9.2	2981
1998	1	25	4	4	284	41	2.57	73	54.94	6/18/1998	10:05	0.3	24.9	8.1	2895
1998	1	26	4	4	271	41	3.77	73	55.22	6/18/1998	9:24	0.3	23	7.5	2709
1998	1	27	4	4	245	41	4.19	73	55.21	6/18/1998	9:12	0.3	22.8	8	2919
1998	1	27	4	4	272	41	4.49	73	55.14	6/18/1998	8:58	0.3	22.8	7	2825
1998	1	28	6	4	244	41	5.33	73	52.33	6/18/1998	11:57	0.3	25	7.5	1594
1998	1	29	4	4	242	41	6.1	73	54.88	6/18/1998	8:41	0.3	22.8	6.7	2408
1998	1	30	4	4	241	41	7.14	73	54.77	6/15/1998	11:09	0.3	21	10.4	7251
1998	1	32	4	4	239	41	8.81	73	54.6	6/15/1998	10:30	0.3	21	10	5519
1998	1	32	4	4	240	41	8.48	73	54.42	6/15/1998	10:55	0.3	21	9.6	5519
1998	1	35	4	4	277	41	10.95	73	57.06	6/18/1998	8:18	0.3	22.5	7	480
1998	1	36	4	4	226	41	11.8	73	57.5	6/18/1998	7:49	0.3	22.9	7.3	411
1998	1	36	4	4	227	41	11.02	73	57.41	6/18/1998	8:07	0.3	22.5	7	477
1998	1	36	4	4	282	41	11.2	73	57.17	6/18/1998	7:58	0.3	22.9	7.7	411
1998	1	36	6	4	276	41	12.17	73	53.51	6/18/1998	12:28	0.3	26.1	9.3	692
1998	1	38	4	2	222	41	12.979	73	57.867	6/18/1998	7:34	0.3	22.1	7	286
1998	1	38	4	2	279	41	13.36	73	57.82	6/18/1998	7:25	0.3	22.1	6.8	286
1998	1	40	4	2	214	41	14.31	73	58.5	6/18/1998	7:10	0.3	21.5	6.6	333
1998	1	40	6	2	211	41	14.88	73	57.6	6/18/1998	6:47	0.3	21.1	6.6	265
1998	1	40	6	2	212					6/18/1998	6:57	0.3	21.1	7	270
1998	1	48	4	2	197	41	20.86	73	58.08	6/17/1998	18:47	0.3	22.5	7.8	362
1998	1	52	6	2	193	41	24.12	73	57.31	6/17/1998	18:19	0.3	22.6	7.7	390
1998	1	52	6	2	194	41	24.12	73	56.81	6/17/1998	18:29	0.3	22.6	7.7	392
1998	1	59	6	2	181	41	29.04	73	59.33	6/17/1998	17:47	0.3	22.5	8	305
1998	1	60	6	2	176	41	29.57	73	59.06	6/17/1998	17:35	0.3	22.6	8	304
1998	1	61	4	2	174	41	31.15	74	0.37	6/17/1998	17:19	0.3	21.9	7.8	288
1998	1	65	4	2	162	41	33.99	73	58.39	6/17/1998	17:00	0.3	22.5	8.1	325
1998	1	69	6	2	156	41	37.03	73	56.88	6/17/1998	16:26	0.3	20	8.3	324
1998	1	69	6	2	158	41	36.94	73	56.81	6/17/1998	16:39	0.3	20	7.8	332
1998	1	71	4	2	153	41	39.06	73	57.257	6/17/1998	15:55	0.3	19.5	8.3	210
1998	1	71	4	2	154	41	38.88	73	57.23	6/17/1998	16:14	0.3	19.7	8	221

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1998	1	74	4	4	149	41	41.064	73	56.289	6/17/1998	15:25	0.3	19.9	8.1	196
1998	1	74	6	4	147	41	41.29	73	56.8	6/17/1998	15:40	0.3	20	8.3	234
1998	1	76	4	4	144					6/17/1998	15:00	0.3	20	8.3	224
1998	1	77	6	4	140	41	44.56	73	56.17	6/17/1998	14:33	0.3	20.4	8.3	208
1998	1	77	6	4	141	41	44.46	73	56.21	6/17/1998	14:50	0.3	20.3	7.8	214
1998	1	83	4	4	133	41	48.74	73	57.19	6/17/1998	14:08	0.3	20	7.8	232
1998	1	83	6	4	132					6/17/1998	13:48	0.3	20	7.7	219
1998	1	84	4	4	129	41	50.61	73	57.28	6/17/1998	13:20	0.3	20.5	8.7	244
1998	1	84	6	4	130	41	50.19	73	56.63	6/17/1998	13:35	0.3	20	7.7	221
1998	1	85	4	4	128					6/17/1998	13:10	0.3	20.8	7.8	240
1998	1	85	6	4	127	41	51.18	73	56.5	6/17/1998	12:58	0.3	19.8	8.2	203
1998	1	86	6	4	125	41	51.75	73	55.89	6/17/1998	12:42	0.3	20.2	7.8	237
1998	1	88	6	4	122	41	53.023	73	56.214	6/17/1998	12:24	0.3	20	8.1	260
1998	1	89	6	4	121	41	53.84	73	57.04	6/17/1998	12:06	0.3	19.5	7.9	213
1998	1	90	6	4	120	41	54.02	73	57.2	6/17/1998	11:55	0.3	19.5	7.8	212
1998	1	91	6	4	119	41	55.847	73	56.774	6/17/1998	11:34	0.3	19.9	7.2	233
1998	1	92	4	2	118	41	56.32	73	58.1	6/17/1998	7:53	0.3	18.8	7.6	255
1998	1	93	4	2	116	41	57.05	73	57.77	6/17/1998	8:13	0.3	19.8	7.8	234
1998	1	93	6	4	117	41	57.036	73	56.721	6/17/1998	11:14	0.3	19.7	7.9	254
1998	1	94	4	2	113	41	58.38	73	57.25	6/17/1998	8:40	0.3	19	8.2	265
1998	1	94	4	2	115	41	57.78	73	57.47	6/17/1998	8:29	0.3	18.5	8.2	273
1998	1	94	6	4	114	41	58.085	73	56.467	6/17/1998	10:56	0.3	19.5	8.3	236
1998	1	95	4	2	111	41	59.083	73	57.079	6/17/1998	8:54	0.3	19	8.3	193
1998	1	95	6	4	112	41	58.238	73	56.123	6/17/1998	10:44	0.3	19.2	7.9	244
1998	1	96	4	4	105	42	0.22	73	56.65	6/17/1998	9:33	0.3	19.1	8.6	248
1998	1	96	4	4	107	41	59.89	73	55.93	6/17/1998	10:15	0.3	19.2	8.2	264
1998	1	96	4	2	108	41	59.76	73	56.81	6/17/1998	9:25	0.3	19.2	8.7	251
1998	1	96	4	2	110	41	59.4	73	56.94	6/17/1998	9:09	0.3	19	8.5	235
1998	1	96	6	4	106	42	59.99	73	55.94	6/17/1998	10:03	0.3	19.3	8.1	268
1998	1	96	6	4	109	41	59.43	73	56.012	6/17/1998	10:25	0.3	20	8.3	230
1998	1	97	4	4	102	42	0.83	73	56.38	6/17/1998	9:52	0.3	19.5	8.7	246
1998	1	97	4	4	103	42	0.5	73	56.51	6/17/1998	9:42	0.3	19	8.7	248
1998	1	105	4	2	96	42	8.147	73	54.796	6/16/1998	17:54	0.3	19.8	8.3	231
1998	1	105	4	2	98	42	7.33	73	55.3	6/16/1998	18:10	0.3	20	8.1	233
1998	1	107	4	2	95	42	8.94	73	54.32	6/16/1998	17:40	0.3	20	8.1	232
1998	1	109	6	2	92	42	10.27	73	52.32	6/16/1998	17:15	0.3	21	8.7	212
1998	1	112	4	2	88	42	12.69	73	51.26	6/16/1998	16:48	0.3	19.2	8.5	290
1998	1	113	4	4	86	42	13.12	73	51.33	6/16/1998	16:28	0.3	19.8	8.4	289
1998	1	113	6	4	87	42	13.32	73	50.85	6/16/1998	16:21	0.3	19.9	8.5	288
1998	1	114	4	4	81	42	14.39	73	50.549	6/16/1998	15:30	0.3	20.5	8.5	277
1998	1	114	6	4	84	42	14.02	73	50.18	6/16/1998	15:50	0.3	20.2	8.3	275
1998	1	114	6	4	85	42	13.54	73	50.75	6/16/1998	16:00	0.3	20.2	8.3	275
1998	1	116	6	4	77	42	15.02	73	48.31	6/16/1998	15:10	0.3	19.8	7.8	265

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1998	1	117	4	4	76	42	15.84	73	47.69	6/16/1998	14:55	0.3	21.5	8.6	268
1998	1	119	4	4	72	42	16.82	73	47.28	6/16/1998	14:38	0.3	18.5	9.3	285
1998	1	119	6	4	69	42	17.29	73	46.78	6/16/1998	14:15	0.3	21.5	6.3	214
1998	1	121	4	4	65	42	19.307	73	47.217	6/16/1998	14:01	0.3	20.1	9	265
1998	1	121	6	4	66	42	19.33	73	46.85	6/16/1998	13:53	0.3	20.1	9	265
1998	1	121	6	4	71	42	17.16	73	46.8	6/16/1998	14:24	0.3	21.5	7	214
1998	1	122	4	4	63	42	19.84	73	47.18	6/16/1998	13:45	0.3	19.9	8.4	265
1998	1	122	6	4	62	42	20.105	73	46.848	6/16/1998	13:26	0.3	20.3	8.5	291
1998	1	122	6	4	64	42	19.9	73	46.8	6/16/1998	13:37	0.3	19.9	8.5	264
1998	1	123	4	4	59					6/16/1998	13:12	0.3	20.4	7.8	293
1998	1	131	4	4	33	42	28.06	73	47.13	6/16/1998	12:15	0.3	20	8.3	242
1998	1	131	6	4	34					6/16/1998	12:28	0.3	20.1	8.2	240
1998	1	134	4	4	27	42	30.17	73	46.88	6/16/1998	12:00	0.3	20.1	8.3	262
1998	1	135	4	4	25	42	31.16	73	46.06	6/16/1998	11:40	0.3	21	8.4	265
1998	1	137	6	4	24	42	32.262	73	45.288	6/16/1998	11:20	0.3	21.9	8.6	295
1998	1	140	4	4	10					6/16/1998	10:42	0.3	19.8	8.1	300
1998	1	140	6	4	11					6/16/1998	10:58	0.3	21.8	8.3	277
1998	1	143	6	4	7	42	37.48	73	45.14	6/16/1998	10:14	0.3	18	9	202
1998	1	145	6	4	5	42	39.19	73	44.41	6/16/1998	9:48	0.3	17.9	9	178
1998	1	148	6	4	3	42	41.41	73	42.584	6/16/1998	9:25	0.3	18	9	179
1998	1	149	6	4	2	42	42	73	42.07	6/16/1998	9:15	0.3	17.2	9.1	188
1998	1	151	4	4	1	42	44.51	73	41.196	6/16/1998	9:00	0.3	17.4	9.1	188
1998	2	18	6	2	261	40	56.27	73	54.17	6/29/1998	11:00	0.3	22.2	9.8	2639
1998	2	22	6	2	256	40	59.97	73	53.05	6/29/1998	11:10	0.3	22.4	9.9	2102
1998	2	23	6	2	254	41	1.086	73	52.681	6/29/1998	11:22	0.3	22.3	9	1685
1998	2	25	4	2	270	41	2.783	73	55.05	6/29/1998	10:15	0.3	23.2	10	837
1998	2	26	4	2	246	41	3.6	73	55.2	6/29/1998	10:00	0.3	23	10.6	737
1998	2	26	4	2	283	41	8.34	73	54.4	6/29/1998	10:06	0.3	23	10.6	737
1998	2	26	6	2	249	41	2.67	73	52.3	6/29/1998	11:33	0.3	23.5	9.8	822
1998	2	27	4	2	245	41	4.19	73	55.21	6/29/1998	9:52	0.3	22.5	10.8	734
1998	2	28	6	2	244	41	5.33	73	52.33	6/29/1998	11:50	0.3	22.4	9.9	715
1998	2	29	4	4	242	41	6.1	73	54.88	6/29/1998	9:28	0.3	21	10.7	725
1998	2	30	4	4	241	41	7.14	73	54.77	6/29/1998	9:22	0.3	20.9	10.8	705
1998	2	32	4	4	239	41	8.81	73	54.6	6/29/1998	8:55	0.3	21.2	10.5	625
1998	2	32	4	4	240	41	8.48	73	54.42	6/29/1998	9:06	0.3	21.7	10.8	651
1998	2	32	6	2	269	41	9.445	73	52.243	6/29/1998	12:15	0.3	22.8	9	730
1998	2	35	4	4	277	41	10.95	73	57.06	6/29/1998	8:35	0.3	21.2	10.5	808
1998	2	35	6	2	232	41	11.172	73	53.996	6/29/1998	12:30	0.3	23	10.1	623
1998	2	35	6	2	275	41	11.31	73	53.54	6/29/1998	12:39	0.3	23	10	623
1998	2	38	4	4	221	41	13.43	73	57.79	6/29/1998	7:59	0.3	22.4	10.1	268
1998	2	38	4	4	222	41	12.979	73	57.867	6/29/1998	8:20	0.3	21.5	10.3	284
1998	2	38	4	4	278	41	12.96	73	57.828	6/29/1998	8:15	0.3	21.5	10.3	289
1998	2	38	4	4	280	41	13.4	73	57.81	6/29/1998	7:54	0.3	22.3	10.1	269

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1998	2	40	6	2	213	41	14.64	73	57.15	6/29/1998	13:05	0.3	22.3	8.8	579
1998	2	43	6	2	202	41	17.12	73	55.98	6/29/1998	13:35	0.3	21.8	9.5	532
1998	2	43	6	2	204	41	16.693	73	56.484	6/29/1998	13:20	0.3	21.8	9.8	585
1998	2	49	4	2	196	41	21.16	73	57.74	6/29/1998	14:20	0.3	21.5	9.2	525
1998	2	52	6	2	193	41	24.12	73	57.31	6/29/1998	14:40	0.3	21.5	9	514
1998	2	53	4	2	192	41	24.19	73	57.95	6/29/1998	14:50	0.3	21.5	9	514
1998	2	56	4	2	187	41	26.83	74	0.5	6/29/1998	15:10	0.3	22.2	9.6	580
1998	2	57	4	2	185	41	27.68	74	0.73	6/29/1998	15:20	0.3	21.5	9.2	653
1998	2	58	4	2	184	41	27.78	74	0.7	6/29/1998	15:30	0.3	21.6	9.2	641
1998	2	62	4	2	171	41	32.19	73	59.91	7/1/1998	14:35	0.3	23.9	8.2	194
1998	2	64	4	2	163	41	33.48	73	59.05	6/30/1998	14:20	0.3	23.5	8.5	221
1998	2	69	4	2	155	41	37.44	73	57.43	7/1/1998	13:45	0.3	23.8	8.7	225
1998	2	69	6	2	157	41	36.97	73	56.85	7/1/1998	13:55	0.3	23.5	8.1	190
1998	2	72	4	2	151	41	40.04	73	57.11	7/1/1998	13:20	0.3	22.5	8.5	167
1998	2	73	6	2	150	41	40.28	73	56.49	7/1/1998	13:00	0.3	22.6	8.5	167
1998	2	74	4	2	147	41	41.29	73	56.8	7/1/1998	12:27	0.3	24.5	8.8	171
1998	2	74	6	2	148	41	41.15	73	56.31	7/1/1998	12:45	0.3	23.8	8.3	168
1998	2	77	6	4	140	41	44.56	73	56.17	7/1/1998	11:50	0.3	23.7	8.6	215
1998	2	77	6	4	141	41	44.46	73	56.21	7/1/1998	11:55	0.3	23.7	8.6	205
1998	2	80	6	4	137	41	46.14	73	56.82	7/1/1998	11:30	0.3	22.8	8.8	177
1998	2	81	4	4	135	41	47.474	73	57.457	7/1/1998	11:10	0.3	24	8.7	164
1998	2	82	4	4	134	41	48.51	73	57.22	7/1/1998	10:55	0.3	23.8	8.3	166
1998	2	83	4	4	131	41	49.33	73	57.31	7/1/1998	10:25	0.3	22.5	8.4	163
1998	2	83	4	4	133	41	48.74	73	57.19	7/1/1998	10:45	0.3	23.8	8.3	168
1998	2	84	4	4	129	41	50.61	73	57.28	7/1/1998	10:10	0.3	23.5	8.5	159
1998	2	86	4	4	126	41	51.44	73	56.97	7/1/1998	9:53	0.3	22.4	8.7	168
1998	2	86	6	4	125	41	51.75	73	55.89	7/1/1998	9:43	0.3	22.1	8.5	170
1998	2	88	6	4	122	41	53.023	73	56.214	7/1/1998	9:35	0.3	22	8.5	170
1998	2	89	6	4	121	41	53.84	73	57.04	7/1/1998	9:23	0.3	22.6	8.2	157
1998	2	90	6	4	120	41	54.02	73	57.2	7/1/1998	9:15	0.3	22.5	8.2	157
1998	2	92	4	4	118	41	56.32	73	58.1	7/1/1998	8:00	0.3	22.5	7.9	220
1998	2	93	4	4	116	41	57.05	73	57.77	7/1/1998	8:08	0.3	21.9	7.8	170
1998	2	93	6	4	117	41	57.036	73	56.721	7/1/1998	8:51	0.3	22.2	7.8	158
1998	2	94	4	2	115	41	57.78	73	57.47	6/30/1998	17:43	0.3	23.9	8.3	153
1998	2	94	6	4	114	41	58.085	73	56.467	7/1/1998	9:27	0.3	22.8	7.8	162
1998	2	95	4	2	111	41	59.083	73	57.079	6/30/1998	17:30	0.3	23.8	8.3	153
1998	2	95	6	4	112	41	58.238	73	56.123	7/1/1998	8:40	0.3	23	7.9	161
1998	2	96	4	2	105	42	0.22	73	56.65	6/30/1998	17:05	0.3	23.1	8.7	147
1998	2	96	4	2	108	41	59.76	73	56.81	6/30/1998	17:15	0.3	23.2	8.3	171
1998	2	96	4	2	110	41	59.4	73	56.94	6/30/1998	17:20	0.3	23.2	8.3	165
1998	2	97	4	2	102	42	0.83	73	56.38	6/30/1998	16:45	0.3	24.3	8.8	157
1998	2	97	4	2	103	42	0.5	73	56.51	6/30/1998	17:00	0.3	23	8.8	145
1998	2	98	4	2	100	42	1.67	73	56.54	6/30/1998	16:27	0.3	23.5	8.5	149

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1998	2	98	4	2	101	42	1.426	73	56.456	6/30/1998	16:35	0.3	23.5	8.4	149
1998	2	99	6	4	99	42	2.02	73	55.73	6/30/1998	16:12	0.3	24	8.2	158
1998	2	105	4	2	97	42	7.68	73	55.13	6/30/1998	15:35	0.3	24	8.9	158
1998	2	105	4	2	98	42	7.33	73	55.3	6/30/1998	15:46	0.3	23.9	8.3	158
1998	2	106	4	2	96	42	8.147	73	54.796	6/30/1998	15:22	0.3	25	8.7	428
1998	2	110	6	4	90	42	11.04	73	51.38	6/30/1998	14:44	0.3	22	8.8	265
1998	2	110	6	4	91	42	10.9	73	51.53	6/30/1998	14:48	0.3	22.5	8.8	205
1998	2	112	4	4	88	42	12.69	73	51.26	6/30/1998	14:30	0.3	23.5	8.2	156
1998	2	114	4	4	82	42	14.31	73	50.58	6/30/1998	13:57	0.3	23.4	8.4	152
1998	2	114	6	4	84	42	14.02	73	50.18	6/30/1998	14:10	0.3	23	8.1	156
1998	2	115	6	4	79	42	14.8	73	49	6/30/1998	13:25	0.3	23.2	8.1	186
1998	2	115	6	4	80	42	14.8	73	49.1	6/30/1998	13:34	0.3	23	8.1	182
1998	2	117	4	4	76	42	15.84	73	47.69	6/30/1998	13:11	0.3	22.3	8.3	258
1998	2	118	4	4	75	42	16.12	73	47.49	6/30/1998	13:00	0.3	22.3	8.2	255
1998	2	119	6	4	71	42	17.16	73	46.8	6/30/1998	12:50	0.3	22.4	8.2	255
1998	2	121	4	4	65	42	19.307	73	47.217	6/30/1998	12:07	0.3	22.3	8.3	258
1998	2	121	4	4	68	42	18.53	73	47.1	6/30/1998	12:45	0.3	22.1	8.3	257
1998	2	121	6	4	67	42	18.82	73	46.89	6/30/1998	12:16	0.3	22.4	8.2	253
1998	2	122	4	4	61	42	20.29	73	47.24	6/30/1998	11:25	0.3	22.6	8.3	249
1998	2	122	4	4	63	42	19.84	73	47.18	6/30/1998	11:49	0.3	22.5	8.3	252
1998	2	122	6	4	62	42	20.105	73	46.848	6/30/1998	11:38	0.3	22.5	8.3	252
1998	2	122	6	4	64	42	19.9	73	46.8	6/30/1998	11:56	0.3	22.6	8.2	253
1998	2	123	4	4	59					6/30/1998	11:12	0.3	22.6	8.3	250
1998	2	124	6	4	56	42	21.49	73	47.29	6/30/1998	11:06	0.3	22.5	8.3	252
1998	2	126	4	4	48	42	23.65	73	47.38	6/30/1998	10:45	0.3	22.8	8.3	249
1998	2	126	4	4	49	42	23.4	73	47.52	6/30/1998	10:50	0.3	22.8	8.3	249
1998	2	128	4	4	44	42	25	73	46.99	6/30/1998	10:33	0.3	23	7.9	247
1998	2	128	6	4	43	42	25.02	73	46.62	6/30/1998	10:20	0.3	23	7.9	296
1998	2	129	6	4	38	42	26.05	73	46.82	6/30/1998	10:05	0.3	22.9	7.9	302
1998	2	129	6	4	40	42	25.67	73	46.67	6/30/1998	10:15	0.3	22.5	7.9	309
1998	2	131	4	4	33	42	28.06	73	47.13	6/30/1998	9:38	0.3	22.5	8	257
1998	2	132	4	4	30					6/30/1998	9:25	0.3	22.4	8	261
1998	2	139	6	4	17	42	34.22	73	45.02	6/30/1998	9:12	0.3	22.4	7.9	263
1998	2	140	4	4	10					6/30/1998	9:00	0.3	23	8.5	239
1998	2	145	6	4	4	42	39.51	73	44.09	6/30/1998	8:30	0.3	23	8.5	239
1998	2	145	6	4	5	42	39.19	73	44.41	6/30/1998	8:35	0.3	23	8.5	239
1998	3	19	6	4	259	40	57.735	73	53.561	7/16/1998	10:50	0.3	26.2	7.3	10206
1998	3	22	6	4	256	40	59.97	73	53.05	7/16/1998	11:12	0.3	27	8	8128
1998	3	23	6	4	254	41	1.086	73	52.681	7/16/1998	11:27	0.3	27	7.9	7650
1998	3	24	6	4	252	41	2.057	73	52.505	7/16/1998	11:47	0.3	27.2	7.7	7714
1998	3	24	6	4	253	41	1.169	73	52.711	7/16/1998	11:37	0.3	27.3	7.7	7889
1998	3	25	6	2	251	41	2.46	73	52.42	7/16/1998	12:07	0.3	27.2	7	7143
1998	3	26	4	4	246	41	3.6	73	55.2	7/16/1998	10:22	0.3	27	7.8	7650

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1998	3	26	4	4	271	41	3.77	73	55.22	7/16/1998	10:12	0.3	27	7.8	7746
1998	3	28	6	2	243	41	5.683	73	52.214	7/16/1998	12:37	0.3	27.7	7.2	5656
1998	3	28	6	2	244	41	5.33	73	52.33	7/16/1998	12:26	0.3	27.5	7.2	5679
1998	3	29	4	4	242	41	6.1	73	54.88	7/16/1998	9:49	0.3	27	7.8	6694
1998	3	31	4	4	285	41	3.607	73	55.196	7/16/1998	9:33	0.3	27	7.6	5738
1998	3	32	4	4	239	41	8.81	73	54.6	7/16/1998	9:07	0.3	27.2	8	6190
1998	3	32	4	4	240	41	8.48	73	54.42	7/16/1998	9:23	0.3	27	7.6	5738
1998	3	35	6	2	274	41	11.17	73	53.71	7/16/1998	13:04	0.3	27.5	7.7	4544
1998	3	36	4	4	282	41	11.2	73	57.17	7/14/1998	8:50	0.3	27	7.6	3921
1998	3	36	4	4	281	41	11.13	73	57.16	7/16/1998	8:40	0.3	27	7.6	3825
1998	3	36	6	2	276	41	12.17	73	53.51	7/16/1998	13:18	0.3	29.5	9.5	4409
1998	3	38	4	4	222	41	12.979	73	57.867	7/16/1998	8:06	0.3	27.9	8	3662
1998	3	38	4	4	278	41	12.96	73	57.828	7/16/1998	8:12	0.3	28	8	3654
1998	3	38	4	4	279	41	13.36	73	57.82	7/16/1998	8:00	0.3	28	7.9	3654
1998	3	43	6	2	203	41	16.91	73	56.26	7/15/1998	17:45	0.3	27	7	1243
1998	3	43	6	2	205	41	16.413	73	56.551	7/15/1998	18:15	0.3	30.5	7.6	1336
1998	3	46	6	2	198	41	19.7	73	59	7/15/1998	17:30	0.3	27.5	7.1	663
1998	3	52	6	2	193	41	24.12	73	57.31	7/15/1998	16:59	0.3	27	7	244
1998	3	53	4	2	192	41	24.19	73	57.95	7/15/1998	16:56	0.3	27	7	239
1998	3	55	6	2	189	41	25.66	73	58.14	7/15/1998	16:43	0.3	27.6	7	198
1998	3	59	6	2	180	41	29.08	73	59.37	7/15/1998	16:25	0.3	27	7	239
1998	3	60	6	2	178	41	29.25	73	59.32	7/15/1998	16:15	0.3	27.2	7	238
1998	3	61	4	2	174	41	31.15	74	0.37	7/15/1998	15:52	0.3	28.9	7.2	147
1998	3	62	4	2	171	41	32.19	73	59.91	7/15/1998	15:42	0.3	28.9	7.1	183
1998	3	65	4	2	162	41	33.99	73	58.39	7/15/1998	15:27	0.3	29	7	165
1998	3	69	6	2	156	41	37.03	73	56.88	7/15/1998	15:00	0.3	28.9	7.1	239
1998	3	69	6	2	157	41	36.97	73	56.85	7/15/1998	14:54	0.3	28.9	7.2	239
1998	3	73	6	2	150	41	40.28	73	56.49	7/15/1998	14:28	0.3	27	7	153
1998	3	74	4	2	147	41	41.29	73	56.8	7/15/1998	14:10	0.3	27.3	7	152
1998	3	76	4	2	146	41	42.94	73	56.87	7/15/1998	13:49	0.3	27	7	249
1998	3	76	6	2	145					7/15/1998	13:33	0.3	27.1	7	157
1998	3	77	6	2	141	41	44.46	73	56.21	7/15/1998	13:02	0.3	27.2	7.3	157
1998	3	77	6	4	142	41	43.92	73	56.14	7/15/1998	13:12	0.3	27	7.3	158
1998	3	81	4	4	135	41	47.474	73	57.457	7/15/1998	12:15	0.3	26	7.4	166
1998	3	82	4	4	134	41	48.51	73	57.22	7/15/1998	12:05	0.3	26.7	7	172
1998	3	83	4	4	131	41	49.33	73	57.31	7/15/1998	11:37	0.3	27	7	177
1998	3	83	4	4	133	41	48.74	73	57.19	7/15/1998	11:55	0.3	26.2	7	175
1998	3	84	4	4	129	41	50.61	73	57.28	7/15/1998	11:07	0.3	27.2	7.8	157
1998	3	84	6	4	130	41	50.19	73	56.63	7/15/1998	11:17	0.3	27	8	158
1998	3	86	6	4	125	41	51.75	73	55.89	7/15/1998	10:33	0.3	26.4	7.3	155
1998	3	88	6	4	122	41	53.023	73	56.214	7/15/1998	10:21	0.3	26.3	7.4	155
1998	3	89	6	4	121	41	53.84	73	57.04	7/15/1998	10:10	0.3	26.3	7.3	163
1998	3	90	6	4	120	41	54.02	73	57.2	7/15/1998	10:05	0.3	26.4	7.3	163

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1998	3	91	6	4	119	41	55.847	73	56.774	7/15/1998	9:54	0.3	26.2	7.3	160
1998	3	92	4	4	118	41	56.32	73	58.1	7/14/1998	8:10	0.3	23.3	7.3	215
1998	3	93	4	4	116	41	57.05	73	57.77	7/15/1998	8:00	0.3	23.1	7.2	212
1998	3	93	6	4	117	41	57.036	73	56.721	7/15/1998	9:42	0.3	26.2	7.8	174
1998	3	94	4	4	115	41	57.78	73	57.47	7/14/1998	8:21	0.3	26.4	7.3	179
1998	3	94	4	4	113	41	58.38	73	57.25	7/15/1998	8:42	0.3	26.3	7.4	179
1998	3	94	6	4	114	41	58.085	73	56.467	7/15/1998	9:21	0.3	26.4	7.8	179
1998	3	95	4	4	111	41	59.083	73	57.079	7/15/1998	8:52	0.3	25.5	7.9	182
1998	3	95	6	4	112	41	58.238	73	56.123	7/15/1998	9:10	0.3	26.3	7.8	178
1998	3	96	4	2	105	42	0.22	73	56.65	7/14/1998	18:17	0.3	24.9	7.9	180
1998	3	96	4	2	108	41	59.76	73	56.81	7/14/1998	18:37	0.3	24.9	7.9	180
1998	3	97	4	2	102	42	0.83	73	56.38	7/14/1998	18:07	0.3	24.8	7.8	181
1998	3	97	4	2	103	42	0.5	73	56.51	7/14/1998	18:17	0.3	24.9	7.8	180
1998	3	98	4	2	100	42	1.67	73	56.54	7/14/1998	17:53	0.3	24.5	7.4	181
1998	3	98	4	2	101	42	1.426	73	56.456	7/14/1998	17:58	0.3	24.5	7.5	181
1998	3	99	6	2	99	42	2.02	73	55.73	7/14/1998	17:40	0.3	24.9	7.5	188
1998	3	105	4	2	97	42	7.68	73	55.13	7/14/1998	17:10	0.3	24.9	7.9	195
1998	3	105	4	2	98	42	7.33	73	55.3	7/14/1998	17:17	0.3	25	7.9	194
1998	3	106	4	2	96	42	8.147	73	54.796	7/14/1998	17:00	0.3	24.8	7.5	190
1998	3	112	4	2	88	42	12.69	73	51.26	7/14/1998	16:27	0.3	25	7.8	214
1998	3	114	4	2	81	42	14.39	73	50.549	7/14/1998	15:50	0.3	25.9	8.2	235
1998	3	114	4	2	82	42	14.31	73	50.58	7/14/1998	15:57	0.3	25.8	8	235
1998	3	114	6	2	85	42	13.54	73	50.75	7/14/1998	16:05	0.3	26.2	8.7	219
1998	3	115	6	2	79	42	14.8	73	49	7/14/1998	15:24	0.3	25.4	8	227
1998	3	115	6	2	80	42	14.8	73	49.1	7/14/1998	15:34	0.3	25.4	8	227
1998	3	116	6	2	77	42	15.02	73	48.31	7/14/1998	15:10	0.3	25.3	8.3	168
1998	3	117	4	4	76	42	15.84	73	47.69	7/14/1998	14:38	0.3	25.6	8.3	236
1998	3	119	4	4	72	42	16.82	73	47.28	7/14/1998	14:30	0.3	25.4	8.5	236
1998	3	121	4	4	65	42	19.307	73	47.217	7/14/1998	14:00	0.3	25.3	8	228
1998	3	121	4	4	68	42	18.53	73	47.1	7/14/1998	14:19	0.3	26.4	9.1	226
1998	3	121	6	4	66	42	19.33	73	46.85	7/14/1998	14:09	0.3	25.3	7.9	228
1998	3	122	4	4	63	42	19.84	73	47.18	7/14/1998	13:40	0.3	24.9	7.6	230
1998	3	122	6	4	64	42	19.9	73	46.8	7/14/1998	13:48	0.3	24.9	7.7	230
1998	3	123	4	4	59					7/14/1998	13:15	0.3	25.7	7.9	236
1998	3	123	4	4	60	42	20.64	73	47.39	7/14/1998	13:21	0.3	25.7	7.9	231
1998	3	124	4	4	55	42	21.64	73	47.62	7/14/1998	12:40	0.3	25.2	8	243
1998	3	124	6	4	56	42	21.49	73	47.29	7/14/1998	12:49	0.3	25.1	7.9	239
1998	3	124	6	4	57	42	21.28	73	47.32	7/14/1998	12:59	0.3	25	7.9	241
1998	3	130	6	4	36					7/14/1998	12:14	0.3	25	7.9	214
1998	3	132	4	4	30					7/14/1998	11:54	0.3	25	7.8	219
1998	3	138	4	4	20	42	33.5	73	45.35	7/14/1998	11:10	0.3	25	7.9	209
1998	3	138	4	4	22	42	33.36	73	45.42	7/14/1998	11:15	0.3	25.1	7.9	204
1998	3	139	4	4	15	42	34.32	73	45.25	7/14/1998	10:42	0.3	24.6	7.5	211

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1998	3	139	4	4	16	42	34.31	73	45.21	7/14/1998	10:46	0.3	24.7	7.5	205
1998	3	139	4	4	19	42	34.03	73	45.26	7/14/1998	11:04	0.3	25.1	8	209
1998	3	142	6	4	8	42	36.82	73	45.4	7/14/1998	10:25	0.3	24.2	7.6	182
1998	3	145	6	4	4	42	39.51	73	44.09	7/14/1998	9:59	0.3	24	7.9	203
1998	3	145	6	4	5	42	39.19	73	44.41	7/14/1998	10:05	0.3	23.9	7.9	204
1998	3	148	6	4	3	42	41.41	73	42.584	7/14/1998	9:50	0.3	23.5	8.3	195
1998	3	149	6	4	2	42	42	73	42.07	7/14/1998	9:40	0.3	23.5	8.4	195
1998	4	18	4	2	260	40	56.889	73	55.1	7/28/1998	11:10	0.3	26.1	6.5	12759
1998	4	20	6	2	258	40	57.73	73	53.661	7/28/1998	11:33	0.3	27	6.8	10041
1998	4	21	6	2	257	40	59.13	73	53.13	7/28/1998	11:41	0.3	26.8	6.7	10274
1998	4	22	6	2	256	40	59.97	73	53.05	7/28/1998	11:53	0.3	26.6	7.2	9641
1998	4	23	6	4	255	41	0.74	73	52.83	7/28/1998	12:00	0.3	26.6	7.4	9448
1998	4	24	6	2	252	41	2.057	73	52.505	7/28/1998	12:33	0.3	27	7.3	7746
1998	4	24	6	2	253	41	1.169	73	52.711	7/28/1998	12:24	0.3	27	7.7	8511
1998	4	25	4	2	270	41	2.783	73	55.05	7/28/1998	10:30	0.3	26	8.6	9662
1998	4	25	4	2	284	41	2.57	73	54.94	7/28/1998	10:39	0.3	26	8.6	9662
1998	4	25	6	2	251	41	2.46	73	52.42	7/28/1998	12:45	0.3	27	7.5	7841
1998	4	26	4	2	246	41	3.6	73	55.2	7/28/1998	10:03	0.3	25.9	7.9	8801
1998	4	26	4	2	271	41	3.77	73	55.22	7/28/1998	9:56	0.3	25.9	7.9	8801
1998	4	26	4	2	283	41	8.34	73	54.4	7/28/1998	10:14	0.3	26	8.2	8979
1998	4	26	6	2	247	41	3.891	73	52.077	7/28/1998	13:30	0.3	27.2	8.1	8476
1998	4	26	6	2	248	41	3.273	73	52.221	7/28/1998	13:20	0.3	27.2	8.1	8571
1998	4	26	6	2	249	41	2.67	73	52.3	7/28/1998	12:58	0.3	27.2	8.1	8476
1998	4	27	4	2	245	41	4.19	73	55.21	7/28/1998	9:44	0.3	25.1	7.7	8947
1998	4	27	4	4	272	41	4.49	73	55.14	7/28/1998	9:30	0.3	25	7.6	7869
1998	4	28	6	2	243	41	5.683	73	52.214	7/28/1998	13:50	0.3	27.5	8.2	6437
1998	4	28	6	2	244	41	5.33	73	52.33	7/28/1998	13:39	0.3	27.8	8.2	6492
1998	4	29	4	4	242	41	6.1	73	54.88	7/28/1998	9:17	0.3	25	7.6	7770
1998	4	30	4	4	241	41	7.14	73	54.77	7/28/1998	9:01	0.3	24.5	7.5	6743
1998	4	31	4	4	285	41	3.607	73	55.196	7/28/1998	8:45	0.3	25.8	7.3	6664
1998	4	32	4	4	239	41	8.81	73	54.6	7/28/1998	8:22	0.3	26	6.8	5856
1998	4	32	4	4	240	41	8.48	73	54.42	7/28/1998	8:35	0.3	25.8	7.3	6664
1998	4	32	6	2	237	41	9.274	73	52.181	7/28/1998	14:22	0.3	27.5	9.1	5490
1998	4	32	6	2	238	41	8.85	73	52.123	7/28/1998	14:09	0.3	27.2	8.9	5333
1998	4	32	6	2	269	41	9.445	73	52.243	7/28/1998	14:29	0.3	27.7	9.2	4808
1998	4	33	6	2	236	41	9.79	73	52.202	7/28/1998	14:43	0.3	28	8.7	4685
1998	4	34	6	2	233	41	10.662	73	53.922	7/28/1998	15:12	0.3	27	8.1	4638
1998	4	34	6	2	234	41	10.19	73	53.93	7/28/1998	15:00	0.3	27	8.1	4638
1998	4	34	6	4	274	41	11.17	73	53.71	7/28/1998	15:45	0.3	28.9	8.5	4324
1998	4	35	4	4	277	41	10.95	73	57.06	7/28/1998	16:34	0.3	28.4	7.7	2742
1998	4	35	6	4	231	41	11.23	73	53.69	7/28/1998	16:00	0.3	27.5	9.2	4241
1998	4	35	6	4	232	41	11.172	73	53.996	7/28/1998	15:29	0.3	28.9	8.5	4324
1998	4	35	6	4	275	41	11.31	73	53.54	7/28/1998	16:12	0.3	27.6	8.8	4213

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1998	4	36	4	4	226	41	11.8	73	57.5	7/28/1998	16:59	0.3	27.8	6.9	3180
1998	4	36	4	4	227	41	11.02	73	57.41	7/28/1998	16:37	0.3	27.9	7.7	2779
1998	4	36	4	4	281	41	11.13	73	57.16	7/28/1998	16:48	0.3	28	7.2	3195
1998	4	36	4	4	282	41	11.2	73	57.17	7/28/1998	16:56	0.3	28	7.2	3186
1998	4	37	4	4	225	41	12.096	73	57.458	7/28/1998	17:17	0.3	28	6.3	3270
1998	4	38	4	4	278	41	12.96	73	57.828	7/28/1998	17:25	0.3	28	6.5	3270
1998	4	38	4	4	280	41	13.4	73	57.81	7/28/1998	17:32	0.3	28	6.2	3233
1998	4	41	6	2	208	41	15.72	73	50.84	7/30/1998	14:09	0.3	28	7.1	1480
1998	4	42	6	2	207	41	15.3	73	57.8	7/30/1998	13:50	0.3	29.8	7.1	1400
1998	4	43	6	2	203	41	16.91	73	56.26	7/30/1998	13:34	0.3	29	9.7	1102
1998	4	44	6	2	201	41	17.74	73	56.87	7/30/1998	13:20	0.3	28.7	9.4	1247
1998	4	46	6	2	199	41	19.42	73	58.77	7/30/1998	13:00	0.3	27.2	6.7	838
1998	4	49	4	4	196	41	21.16	73	57.74	7/30/1998	12:32	0.3	27	6.9	240
1998	4	52	6	4	193	41	24.12	73	57.31	7/30/1998	11:56	0.3	28	6.7	244
1998	4	52	6	4	194	41	24.12	73	56.81	7/30/1998	12:08	0.3	27.8	6.8	246
1998	4	53	6	4	190	41	24.961	73	57.702	7/30/1998	11:45	0.3	26.8	7.1	201
1998	4	55	6	4	189	41	25.66	73	58.14	7/30/1998	11:33	0.3	26.9	7.2	201
1998	4	57	4	4	185	41	27.68	74	0.73	7/30/1998	11:05	0.3	27.5	9.1	187
1998	4	57	4	4	186	41	27.28	74	0.8	7/30/1998	11:14	0.3	27.5	9	189
1998	4	58	4	4	184	41	27.78	74	0.7	7/30/1998	10:55	0.3	27.5	9.1	185
1998	4	59	6	4	181	41	29.04	73	59.33	7/30/1998	10:42	0.3	26	6.7	196
1998	4	60	6	4	176	41	29.57	73	59.06	7/30/1998	10:28	0.3	26	6.7	196
1998	4	61	4	4	174	41	31.15	74	0.37	7/30/1998	10:12	0.3	27	8	208
1998	4	63	4	4	166					7/30/1998	9:57	0.3	27	7.9	171
1998	4	66	4	4	160	41	34.777	73	57.753	7/30/1998	9:34	0.3	26.3	7.8	170
1998	4	71	4	4	153	41	39.06	73	57.257	7/30/1998	9:09	0.3	25.1	6.7	174
1998	4	72	4	4	151	41	40.04	73	57.11	7/30/1998	8:51	0.3	24.9	7.3	182
1998	4	76	4	4	146	41	42.94	73	56.87	7/30/1998	8:30	0.3	25	6.7	188
1998	4	77	6	4	140	41	44.56	73	56.17	7/30/1998	8:08	0.3	25	8.2	181
1998	4	77	6	4	143	41	43.83	73	56.16	7/30/1998	8:17	0.3	25	8.2	182
1998	4	80	6	2	137	41	46.14	73	56.82	7/30/1998	7:53	0.3	25	7.1	186
1998	4	83	4	2	131	41	49.33	73	57.31	7/30/1998	7:31	0.3	25	7.3	198
1998	4	85	6	2	127	41	51.18	73	56.5	7/30/1998	7:12	0.3	25	7.4	199
1998	4	89	6	2	121	41	53.84	73	57.04	7/29/1998	16:26	0.3	26.8	7.8	192
1998	4	90	6	2	120	41	54.02	73	57.2	7/29/1998	16:09	0.3	26.8	7.6	201
1998	4	91	6	2	119	41	55.847	73	56.774	7/29/1998	15:50	0.3	26.3	7.7	209
1998	4	92	4	2	118	41	56.32	73	58.1	7/29/1998	15:39	0.3	26.8	9	240
1998	4	93	4	2	116	41	57.05	73	57.77	7/29/1998	15:25	0.3	26	7.4	224
1998	4	95	4	4	111	41	59.083	73	57.079	7/29/1998	15:05	0.3	26.4	8.2	228
1998	4	96	4	4	105	42	0.22	73	56.65	7/29/1998	14:25	0.3	26.8	7.5	216
1998	4	96	4	4	110	41	59.4	73	56.94	7/29/1998	14:50	0.3	26.6	7.7	217
1998	4	96	6	4	106	42	59.99	73	55.94	7/29/1998	14:38	0.3	27	7.5	213
1998	4	98	4	4	100	42	1.67	73	56.54	7/29/1998	13:56	0.3	26.1	8.5	231

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1998	4	98	4	4	101	42	1.426	73	56.456	7/29/1998	14:06	0.3	26	8.4	233
1998	4	105	4	4	97	42	7.68	73	55.13	7/29/1998	13:17	0.3	25.9	9	222
1998	4	105	4	4	98	42	7.33	73	55.3	7/29/1998	13:28	0.3			
1998	4	106	4	4	96	42	8.147	73	54.796	7/29/1998	12:56	0.3	26	8.3	225
1998	4	111	6	4	89					7/29/1998	12:22	0.3	26.2	8.5	198
1998	4	114	4	4	81	42	14.39	73	50.549	7/29/1998	11:42	0.3	26	9.6	236
1998	4	114	4	4	83	42	14.26	73	50.71	7/29/1998	12:00	0.3	26	8.5	235
1998	4	117	4	4	76	42	15.84	73	47.69	7/29/1998	11:24	0.3			
1998	4	118	4	4	73	42	16.76	73	47.67	7/29/1998	11:04	0.3	26	8.6	244
1998	4	118	4	4	75	42	16.12	73	47.49	7/29/1998	11:07	0.3	26.1	10.8	239
1998	4	119	4	4	72	42	16.82	73	47.28	7/29/1998	10:53	0.3	26.2	8.7	243
1998	4	122	4	4	61	42	20.29	73	47.24	7/29/1998	10:20	0.3	26.1	9.6	239
1998	4	122	6	4	62	42	20.105	73	46.848	7/29/1998	10:36	0.3	26.5	9.5	238
1998	4	123	4	4	60	42	20.64	73	47.39	7/29/1998	10:10	0.3	26.4	9.9	234
1998	4	125	4	2	53	42	22.27	73	47.62	7/29/1998	9:53	0.3	26.3	9.3	234
1998	4	129	6	2	42	42	25.226	73	46.523	7/29/1998	9:30	0.3	26	7.8	225
1998	4	134	4	2	27	42	30.17	73	46.88	7/29/1998	9:07	0.3	25.7	12.8	247
1998	4	135	4	2	26	42	30.91	73	46.27	7/29/1998	8:54	0.3	25.7	12	222
1998	4	138	4	2	21	42	33.51	73	45.33	7/29/1998	8:40	0.3	25.8	7.4	206
1998	4	139	6	2	17	42	34.22	73	45.02	7/29/1998	8:27	0.3	25.5	6.9	246
1998	4	143	4	2	6	42	38.03	73	45.23	7/29/1998	8:08	0.3	25	7.1	227
1998	5	18	4	2	260	40	56.889	73	55.1	8/11/1998	14:13	0.3	25.3	5.4	20988
1998	5	20	6	2	258	40	57.73	73	53.661	8/11/1998	14:36	0.3	25.4	5.6	18870
1998	5	21	6	2	257	40	59.13	73	53.13	8/11/1998	14:58	0.3	26.2	5.4	19439
1998	5	22	6	2	256	40	59.97	73	53.05	8/11/1998	15:16	0.3	25.6	5.7	19581
1998	5	23	6	4	255	41	0.74	73	52.83	8/11/1998	15:35	0.3	26.7	6.7	18184
1998	5	24	6	4	252	41	2.057	73	52.505	8/11/1998	16:06	0.3	25.8	6.3	18619
1998	5	24	6	4	253	41	1.169	73	52.711	8/11/1998	15:52	0.3	25.9	6.4	19070
1998	5	25	4	2	250	41	2.86	73	55.07	8/11/1998	13:05	0.3	26.6	8.4	15232
1998	5	25	4	2	270	41	2.783	73	55.05	8/11/1998	13:20	0.3	26.4	8.3	15295
1998	5	25	4	2	284	41	2.57	73	54.94	8/11/1998	13:35	0.3	26.6	8.1	15329
1998	5	25	6	4	251	41	2.46	73	52.42	8/11/1998	16:24	0.3	26.2	6	17495
1998	5	26	4	2	246	41	3.6	73	55.2	8/11/1998	12:40	0.3	26.2	7.4	15454
1998	5	26	4	2	271	41	3.77	73	55.22	8/11/1998	12:28	0.3	26.2	7.4	15454
1998	5	26	4	2	283	41	8.34	73	54.4	8/11/1998	12:52	0.3	26.5	8.1	15263
1998	5	27	4	2	245	41	4.19	73	55.21	8/11/1998	12:11	0.3	26.3	8.5	14550
1998	5	27	4	2	272	41	4.49	73	55.14	8/11/1998	11:52	0.3	26.5	8.5	12462
1998	5	27	4	2	272	41	4.49	73	55.14	8/14/1998	11:04	0.3	25.4	8.4	13634
1998	5	28	6	2	243	41	5.683	73	52.214	8/14/1998	11:40	0.3	25.9	11.5	12518
1998	5	28	6	2	244	41	5.33	73	52.33	8/14/1998	11:30	0.3	26	11.5	12492
1998	5	29	4	2	242	41	6.1	73	54.88	8/11/1998	11:26	0.3	27.1	7.9	14124
1998	5	30	4	4	241	41	7.14	73	54.77	8/11/1998	11:07	0.3	26.7	8.1	13277
1998	5	30	4	4	241	41	7.14	73	54.77	8/14/1998	10:39	0.3	25.1	9.6	12724

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1998	5	31	4	4	285	41	3.607	73	55.196	8/11/1998	10:54	0.3	26.4	7.4	12584
1998	5	31	4	4	285	41	3.607	73	55.196	8/14/1998	10:25	0.3	25.5	7.1	11437
1998	5	32	4	4	239	41	8.81	73	54.6	8/11/1998	9:00	0.3	26.1	6.6	11493
1998	5	32	4	4	240	41	8.48	73	54.42	8/11/1998	10:46	0.3	26.4	7.4	12584
1998	5	32	4	4	239	41	8.81	73	54.6	8/14/1998	10:00	0.3	25.9	7.2	10855
1998	5	32	4	4	240	41	8.48	73	54.42	8/14/1998	10:11	0.3	25.6	7.1	11414
1998	5	32	6	2	237	41	9.274	73	52.181	8/14/1998	12:00	0.3	26.3	9.4	11252
1998	5	34	6	2	274	41	11.17	73	53.71	8/14/1998	12:20	0.3	26.2	13.6	10011
1998	5	35	4	4	229	41	10.59	73	56.41	8/14/1998	9:27	0.3	26	6.9	9467
1998	5	35	4	4	230	41	10.59	73	56.39	8/14/1998	9:37	0.3	25.9	7.1	9388
1998	5	35	4	4	277	41	10.95	73	57.06	8/14/1998	9:12	0.3	26	8.2	9271
1998	5	35	6	2	231	41	11.23	73	53.69	8/14/1998	12:33	0.3	26.2	13.7	9817
1998	5	35	6	2	275	41	11.31	73	53.54	8/14/1998	12:43	0.3	26.2	13.6	9720
1998	5	36	4	4	227	41	11.02	73	57.41	8/14/1998	9:01	0.3	26	8.2	9271
1998	5	36	4	4	281	41	11.13	73	57.16	8/14/1998	8:46	0.3	25.6	7.4	8856
1998	5	36	4	4	282	41	11.2	73	57.17	8/14/1998	8:36	0.3	25.6	7.6	8856
1998	5	38	4	4	221	41	13.43	73	57.79	8/13/1998	16:10	0.3	27.7	7.5	7636
1998	5	38	4	4	222	41	12.979	73	57.867	8/13/1998	16:27	0.3	27.8	7.9	7997
1998	5	38	4	4	223	41	12.89	73	57.806	8/13/1998	16:47	0.3	27.8	7.9	7997
1998	5	38	4	4	278	41	12.96	73	57.828	8/13/1998	16:40	0.3	27.7	8	8013
1998	5	38	4	4	280	41	13.4	73	57.81	8/13/1998	16:22	0.3	27.8	7.9	7997
1998	5	39	4	2	215	41	13.62	73	58.34	8/13/1998	15:52	0.3	27.6	8.3	7557
1998	5	40	6	2	210	41	14.87	73	57.74	8/13/1998	15:23	0.3	27.7	7.3	8013
1998	5	41	6	2	208	41	15.72	73	50.84	8/13/1998	15:06	0.3	27.6	6.6	7274
1998	5	42	6	2	207	41	15.3	73	57.8	8/13/1998	14:58	0.3	27.6	6.6	7085
1998	5	44	6	2	201	41	17.74	73	56.87	8/13/1998	14:33	0.3	27.3	7.6	4657
1998	5	49	4	2	196	41	21.16	73	57.74	8/13/1998	14:07	0.3	26.6	6.6	2593
1998	5	53	4	2	192	41	24.19	73	57.95	8/13/1998	13:41	0.3	26.4	6.6	1742
1998	5	53	6	4	190	41	24.961	73	57.702	8/13/1998	12:52	0.3	26.2	6.7	1847
1998	5	53	6	4	191	41	24.882	73	57.554	8/13/1998	13:24	0.3	26.3	7.2	2425
1998	5	55	6	4	189	41	25.66	73	58.14	8/13/1998	12:40	0.3	26.8	6.7	1728
1998	5	58	4	4	183	41	28.02	74	0.87	8/13/1998	12:15	0.3	27.3	7.8	950
1998	5	59	6	4	180	41	29.08	73	59.37	8/13/1998	11:47	0.3	25.5	6.7	838
1998	5	59	6	4	181	41	29.04	73	59.33	8/13/1998	11:59	0.3	25.5	6.7	838
1998	5	60	6	4	176	41	29.57	73	59.06	8/13/1998	11:28	0.3	25.8	6.2	882
1998	5	60	6	4	177	41	29.52	73	59.24	8/13/1998	11:35	0.3	25.8	6.2	882
1998	5	61	4	4	174	41	31.15	74	0.37	8/13/1998	11:09	0.3	27	7	426
1998	5	69	4	4	155	41	37.44	73	57.43	8/13/1998	10:10	0.3	25.9	6.5	186
1998	5	69	6	4	157	41	36.97	73	56.85	8/13/1998	10:33	0.3	26.2	6.9	194
1998	5	72	4	4	151	41	40.04	73	57.11	8/13/1998	9:46	0.3	25.3	6.6	188
1998	5	74	6	4	148	41	41.15	73	56.31	8/13/1998	9:27	0.3	24.7	6.9	190
1998	5	76	6	4	145					8/13/1998	9:06	0.3	25.4	6.6	196
1998	5	77	6	4	141	41	44.46	73	56.21	8/13/1998	8:51	0.3	24.8	6.6	199

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1998	5	78	6	4	138	41	45.18	73	56.22	8/13/1998	8:43	0.3	24.7	6.2	197
1998	5	82	4	4	134	41	48.51	73	57.22	8/13/1998	8:29	0.3	25	6.4	199
1998	5	84	4	4	129	41	50.61	73	57.28	8/13/1998	8:05	0.3	24.6	7.1	201
1998	5	85	6	4	127	41	51.18	73	56.5	8/13/1998	7:48	0.3	24.9	6.4	195
1998	5	89	6	2	121	41	53.84	73	57.04	8/12/1998	17:50	0.3	26.3	7.4	223
1998	5	90	6	2	120	41	54.02	73	57.2	8/12/1998	17:37	0.3	26.3	7.4	222
1998	5	91	6	2	119	41	55.847	73	56.774	8/12/1998	16:56	0.3	26.5	7.8	251
1998	5	92	4	2	118	41	56.32	73	58.1	8/12/1998	17:18	0.3	27.2	11.2	261
1998	5	93	6	2	117	41	57.036	73	56.721	8/12/1998	16:41	0.3	26.9	8.8	246
1998	5	96	4	2	105	42	0.22	73	56.65	8/12/1998	15:42	0.3	27	8.5	279
1998	5	96	4	2	108	41	59.76	73	56.81	8/12/1998	15:53	0.3	26.7	7.9	232
1998	5	96	4	2	110	41	59.4	73	56.94	8/12/1998	16:04	0.3	26.8	7.9	231
1998	5	97	4	2	102	42	0.83	73	56.38	8/12/1998	15:19	0.3	27.5	8.6	275
1998	5	97	4	2	103	42	0.5	73	56.51	8/12/1998	15:35	0.3	27.1	8.5	278
1998	5	98	4	2	100	42	1.67	73	56.54	8/12/1998	15:03	0.3	26.5	7.7	236
1998	5	99	6	2	99	42	2.02	73	55.73	8/12/1998	14:39	0.3	26.6	7.5	236
1998	5	105	4	4	98	42	7.33	73	55.3	8/12/1998	14:10	0.3	28.1	8.8	234
1998	5	106	4	4	96	42	8.147	73	54.796	8/12/1998	13:49	0.3	26.2	7.3	235
1998	5	109	6	4	92	42	10.27	73	52.32	8/12/1998	13:07	0.3	26.8	7.5	235
1998	5	113	6	4	87	42	13.32	73	50.85	8/12/1998	12:43	0.3	25.9	7.4	227
1998	5	114	6	4	84	42	14.02	73	50.18	8/12/1998	12:20	0.3	25.8	7.5	229
1998	5	115	6	4	80	42	14.8	73	49.1	8/12/1998	11:55	0.3	25.9	7.4	233
1998	5	121	4	4	68	42	18.53	73	47.1	8/12/1998	11:36	0.3	25.7	8.1	219
1998	5	121	6	4	67	42	18.82	73	46.89	8/12/1998	11:26	0.3	25.8	8.2	220
1998	5	122	6	4	62	42	20.105	73	46.848	8/12/1998	11:07	0.3	25.7	8.4	218
1998	5	122	6	4	64	42	19.9	73	46.8	8/12/1998	11:16	0.3	25.7	8.4	219
1998	5	124	4	4	55	42	21.64	73	47.62	8/12/1998	10:38	0.3	25.4	8.7	197
1998	5	124	6	4	57	42	21.28	73	47.32	8/12/1998	10:53	0.3	25.4	8.7	197
1998	5	131	4	4	35	42	27.8	73	47.1	8/12/1998	10:07	0.3	25.6	7.9	207
1998	5	135	4	4	25	42	31.16	73	46.06	8/12/1998	9:45	0.3	25.8	6.7	195
1998	5	137	6	4	24	42	32.262	73	45.288	8/12/1998	9:32	0.3	25.7	6.1	195
1998	5	138	4	4	23	42	33.14	73	45.46	8/12/1998	9:18	0.3	26.3	6.3	194
1998	5	139	4	4	18	42	34.14	73	45.24	8/12/1998	8:58	0.3	25.9	6.2	205
1998	5	140	4	4	13	42	34.59	73	45.25	8/12/1998	8:46	0.3	25.8	6.2	206
1998	5	143	4	2	6	42	38.03	73	45.23	8/12/1998	8:29	0.3	25.4	6.9	170
1998	6	18	4	2	260	40	56.889	73	55.1	8/26/1998	13:31	0.3	26.2	6.9	15551
1998	6	18	6	2	261	40	56.27	73	54.17	8/26/1998	13:20	0.3	26.2	7	15649
1998	6	20	6	2	258	40	57.73	73	53.661	8/26/1998	12:58	0.3	26	6.8	15615
1998	6	22	6	2	256	40	59.97	73	53.05	8/26/1998	12:40	0.3	26.2	6.9	13122
1998	6	23	6	2	254	41	1.086	73	52.681	8/26/1998	12:30	0.3	26.1	6.8	12661
1998	6	24	6	2	252	41	2.057	73	52.505	8/26/1998	12:05	0.3	26	6.8	11711
1998	6	24	6	2	253	41	1.169	73	52.711	8/26/1998	12:15	0.3	26.2	6.9	12150
1998	6	25	4	2	250	41	2.86	73	55.07	8/26/1998	15:20	0.3	26.9	7.3	10061

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1998	6	25	4	2	270	41	2.783	73	55.05	8/26/1998	15:10	0.3	26.8	7.5	10562
1998	6	25	6	2	251	41	2.46	73	52.42	8/26/1998	11:55	0.3	25.8	6.9	11759
1998	6	26	4	4	246	41	3.6	73	55.2	8/26/1998	15:40	0.3	26.9	7.3	10061
1998	6	26	4	4	271	41	3.77	73	55.22	8/26/1998	15:49	0.3	26.9	7	11594
1998	6	26	4	2	283	41	8.34	73	54.4	8/26/1998	15:30	0.3	26.8	7	10562
1998	6	26	6	2	247	41	3.891	73	52.077	8/26/1998	11:08	0.3	25.2	6.8	11111
1998	6	26	6	2	248	41	3.273	73	52.221	8/26/1998	11:29	0.3	25.8	6.9	12739
1998	6	26	6	2	249	41	2.67	73	52.3	8/26/1998	11:40	0.3	26.5	6.8	11496
1998	6	27	4	4	272	41	4.49	73	55.14	8/26/1998	16:09	0.3	26.9	7	11498
1998	6	27	6	4	245	41	4.19	73	55.21	8/26/1998	15:59	0.3	26.9	7	11403
1998	6	28	6	2	243	41	5.683	73	52.214	8/26/1998	10:38	0.3	26	6.3	8783
1998	6	28	6	2	244	41	5.33	73	52.33	8/26/1998	10:48	0.3	25.3	6.9	9405
1998	6	29	4	4	242	41	6.1	73	54.88	8/26/1998	16:22	0.3	26.3	7	11155
1998	6	30	4	4	241	41	7.14	73	54.77	8/26/1998	16:32	0.3	26.2	7.2	10692
1998	6	31	4	4	285	41	3.607	73	55.196	8/26/1998	16:50	0.3	26.1	7	10616
1998	6	32	4	4	236	41	9.79	73	52.202	8/26/1998	17:08	0.3	26.5	6.9	8694
1998	6	32	4	4	240	41	8.48	73	54.42	8/26/1998	16:58	0.3	26	6.9	10638
1998	6	32	6	2	237	41	9.274	73	52.181	8/26/1998	10:00	0.3	26.1	6.2	9253
1998	6	32	6	2	238	41	8.85	73	52.123	8/26/1998	10:10	0.3	25.8	6.3	8721
1998	6	32	6	2	269	41	9.445	73	52.243	8/26/1998	9:00	0.3	25.5	6.8	7888
1998	6	33	6	2	239	41	8.81	73	54.6	8/26/1998	8:33	0.3	25.2	6	8928
1998	6	35	4	4	229	41	10.59	73	56.41	8/25/1998	16:45	0.3	26.9	7.6	6803
1998	6	35	4	4	230	41	10.59	73	56.39	8/25/1998	16:55	0.3	26.9	7.6	6707
1998	6	35	6	4	232	41	11.172	73	53.996	8/26/1998	17:20	0.3	26.3	7.5	7857
1998	6	35	6	4	274	41	11.17	73	53.71	8/26/1998	17:30	0.3	28	8.2	7965
1998	6	35	6	4	275	41	11.31	73	53.54	8/26/1998	17:36	0.3	27.9	8.1	7511
1998	6	36	4	4	226	41	11.8	73	57.5	8/25/1998	16:13	0.3	26.5	7.3	6955
1998	6	36	4	4	282	41	11.2	73	57.17	8/25/1998	16:27	0.3	26.8	7.6	6721
1998	6	36	6	4	228	41	12.25	73	53.5	8/26/1998	17:50	0.3	27.9	7	6572
1998	6	38	4	2	221	41	13.43	73	57.79	8/25/1998	15:06	0.3	27.2	7	6571
1998	6	38	4	2	222	41	12.979	73	57.867	8/25/1998	15:38	0.3	27.1	7.2	6585
1998	6	38	4	2	223	41	12.89	73	57.806	8/25/1998	15:57	0.3	26.4	6.8	7647
1998	6	38	4	2	278	41	12.96	73	57.828	8/25/1998	15:47	0.3	26.3	6.7	7663
1998	6	38	4	2	279	41	13.36	73	57.82	8/25/1998	15:27	0.3	27.2	7.2	6571
1998	6	38	4	2	280	41	13.4	73	57.81	8/25/1998	15:16	0.3	27.2	7.1	6571
1998	6	39	4	2	215	41	13.62	73	58.34	8/25/1998	14:53	0.3	27	7.2	4973
1998	6	40	6	2	211	41	14.88	73	57.6	8/25/1998	14:39	0.3	27.1	8.2	6012
1998	6	42	4	2	206	41	16.412	73	58.1	8/25/1998	14:20	0.3	27.8	8.8	4704
1998	6	44	6	2	201	41	17.74	73	56.87	8/25/1998	14:02	0.3	27	7.5	3825
1998	6	46	4	2	198	41	19.7	73	59	8/25/1998	13:36	0.3	26.2	6.3	3169
1998	6	49	4	2	196	41	21.16	73	57.74	8/25/1998	13:15	0.3	26.7	6.7	1828
1998	6	52	6	2	193	41	24.12	73	57.31	8/25/1998	12:45	0.3	26.1	6.3	1373
1998	6	52	6	2	194	41	24.12	73	56.81	8/25/1998	12:56	0.3	26.1	6.4	1383

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1998	6	53	4	2	192	41	24.19	73	57.95	8/25/1998	12:30	0.3	25.2	6.8	1319
1998	6	54	6	2	189	41	25.66	73	58.14	8/25/1998	12:17	0.3	26.8	6.4	864
1998	6	57	4	2	185	41	27.68	74	0.73	8/25/1998	11:45	0.3	27.5	9.9	757
1998	6	57	4	2	186	41	27.28	74	0.8	8/25/1998	11:58	0.3	27.6	9.9	765
1998	6	59	6	2	179	41	29.24	73	59.34	8/25/1998	11:08	0.3	25.5	6.3	710
1998	6	59	6	2	180	41	29.08	73	59.37	8/25/1998	11:18	0.3	25.6	6.3	718
1998	6	59	6	2	181	41	29.04	73	59.33	8/25/1998	11:30	0.3	25.8	6	725
1998	6	61	4	4	174	41	31.15	74	0.37	8/25/1998	10:45	0.3	26.9	6.9	302
1998	6	65	4	4	162	41	33.99	73	58.39	8/25/1998	10:21	0.3	26.2	6.8	228
1998	6	66	4	4	160	41	34.777	73	57.753	8/25/1998	10:00	0.3	25.8	7.4	235
1998	6	69	6	4	156	41	37.03	73	56.88	8/25/1998	9:34	0.3	25.8	7.1	214
1998	6	72	6	4	152	41	39.77	73	56.55	8/25/1998	9:14	0.3	25.3	6.4	203
1998	6	76	4	4	144					8/25/1998	8:50	0.3	24.3	6.2	243
1998	6	77	6	4	141	41	44.46	73	56.21	8/25/1998	8:24	0.3	24.8	6.1	212
1998	6	77	6	4	143	41	43.83	73	56.16	8/25/1998	8:34	0.3	24.8	6.1	212
1998	6	80	6	4	137	41	46.14	73	56.82	8/25/1998	8:10	0.3	24.9	6.1	218
1998	6	83	4	4	133	41	48.74	73	57.19	8/25/1998	7:49	0.3	24.6	6.5	271
1998	6	85	6	4	127	41	51.18	73	56.5	8/25/1998	7:35	0.3	24.6	6.5	209
1998	6	88	6	4	122	41	53.023	73	56.214	8/25/1998	7:15	0.3	24.3	6.8	212
1998	6	89	6	2	121	41	53.84	73	57.04	8/24/1998	17:56	0.3	25.4	7.5	212
1998	6	90	6	2	120	41	54.02	73	57.2	8/24/1998	17:46	0.3	25.5	7.5	212
1998	6	92	4	2	118	41	56.32	73	58.1	8/24/1998	17:25	0.3	25.9	9.4	229
1998	6	93	4	2	116	41	57.05	73	57.77	8/24/1998	17:12	0.3	25.3	7.1	220
1998	6	96	4	2	105	42	0.22	73	56.65	8/24/1998	16:58	0.3	25.1	7.3	219
1998	6	97	4	2	102	42	0.83	73	56.38	8/24/1998	16:39	0.3	25.2	7.6	266
1998	6	97	4	2	103	42	0.5	73	56.51	8/24/1998	16:47	0.3	25.1	7.3	221
1998	6	98	4	2	100	42	1.67	73	56.54	8/24/1998	16:18	0.3	24.8	7.3	210
1998	6	98	4	2	101	42	1.426	73	56.456	8/24/1998	16:28	0.3	24.8	7.3	210
1998	6	99	6	2	99	42	2.02	73	55.73	8/24/1998	16:03	0.3	25	7.1	209
1998	6	105	4	2	97	42	7.68	73	55.13	8/24/1998	15:25	0.3	26.2	7.2	214
1998	6	105	4	2	98	42	7.33	73	55.3	8/24/1998	15:26	0.3	25.3	7.9	203
1998	6	106	4	2	96	42	8.147	73	54.796	8/24/1998	15:14	0.3	25.2		298
1998	6	114	4	2	82	42	14.31	73	50.58	8/24/1998	14:44	0.3	25.8	7.8	223
1998	6	115	6	2	79	42	14.8	73	49	8/24/1998	14:30	0.3	25.1	7.9	215
1998	6	116	6	2	77	42	15.02	73	48.31	8/24/1998	14:12	0.3	25.8	8.8	220
1998	6	119	6	2	69	42	17.29	73	46.78	8/24/1998	13:40	0.3	26.5	8.6	222
1998	6	119	6	2	71	42	17.16	73	46.8	8/24/1998	13:50	0.3	26.5	8.5	224
1998	6	121	6	2	66	42	19.33	73	46.85	8/24/1998	13:24	0.3	26.3	8.4	204
1998	6	122	6	2	62	42	20.105	73	46.848	8/24/1998	13:10	0.3	26.2	8.3	205
1998	6	123	4	2	60	42	20.64	73	47.39	8/24/1998	12:54	0.3	27	9.2	207
1998	6	124	6	2	56	42	21.49	73	47.29	8/24/1998	12:25	0.3	26.2	9.9	246
1998	6	124	6	2	57	42	21.28	73	47.32	8/24/1998	12:35	0.3	26.1	9.8	246
1998	6	129	6	2	39	42	25.879	73	46.76	8/24/1998	11:52	0.3	24.8	9.7	222

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1998	6	134	4	2	27	42	30.17	73	46.88	8/24/1998	11:26	0.3	25	9.5	269
1998	6	138	4	4	20	42	33.5	73	45.35	8/24/1998	10:55	0.3	24.5	7.4	240
1998	6	143	4	4	6	42	38.03	73	45.23	8/24/1998	10:33	0.3	24	6.5	169
1998	6	148	6	4	3	42	41.41	73	42.584	8/24/1998	10:00	0.3	23.5	7.3	159
1998	6	149	6	4	2	42	42	73	42.07	8/24/1998	9:40	0.3	23.5	7.3	162
1998	6	152	4	4	1	42	44.51	73	41.196	8/24/1998	9:12	0.3	23.8	7.5	163
1998	7	15	4	4	263	40	54.252	73	55.961	9/8/1998	14:45	0.3	23	6.6	23667
1998	7	15	4	4	264	40	53.57	73	56.32	9/8/1998	14:03	0.3	22.9	6.3	24444
1998	7	20	6	4	258	40	57.73	73	53.661	9/8/1998	15:11	0.3	23.8	6.2	21339
1998	7	21	6	4	257	40	59.13	73	53.13	9/8/1998	15:35	0.3	24.8	7.8	24505
1998	7	22	6	4	256	40	59.97	73	53.05	9/8/1998	16:21	0.3	22.6	7.8	16537
1998	7	24	6	4	252	41	2.057	73	52.505	9/8/1998	16:57	0.3	24.5	7.5	19926
1998	7	24	6	4	253	41	1.169	73	52.711	9/8/1998	16:44	0.3	23	6.4	18165
1998	7	25	4	2	250	41	2.86	73	55.07	9/8/1998	12:54	0.3	21.1	9.8	17063
1998	7	25	4	4	270	41	2.783	73	55.05	9/8/1998	13:12	0.3	21	9.7	16233
1998	7	25	4	4	284	41	2.57	73	54.94	9/8/1998	13:25	0.3	21.3	9.5	16992
1998	7	25	6	4	251	41	2.46	73	52.42	9/8/1998	17:15	0.3	26	7.8	18055
1998	7	26	4	2	246	41	3.6	73	55.2	9/8/1998	12:21	0.3	21	8.6	16341
1998	7	26	4	4	271	41	3.77	73	55.22	9/8/1998	12:08	0.3	21.8	8.6	15964
1998	7	26	4	2	283	41	8.34	73	54.4	9/8/1998	12:37	0.3	21.1	9.5	16739
1998	7	26	6	4	247	41	3.891	73	52.077	9/8/1998	17:52	0.3	27.9	7.7	14835
1998	7	26	6	4	248	41	3.273	73	52.221	9/8/1998	17:40	0.3	27	7.6	15300
1998	7	26	6	4	249	41	2.67	73	52.3	9/8/1998	17:29	0.3	27	7.6	15396
1998	7	27	4	2	245	41	4.19	73	55.21	9/8/1998	11:56	0.3	22	8.8	16003
1998	7	27	4	2	272	41	4.49	73	55.14	9/8/1998	11:40	0.3	24	8.1	14845
1998	7	28	6	4	243	41	5.683	73	52.214	9/8/1998	18:15	0.3	25.5	7.5	13606
1998	7	28	6	4	244	41	5.33	73	52.33	9/8/1998	18:07	0.3	25.5	7.5	13705
1998	7	29	4	2	242	41	6.1	73	54.88	9/8/1998	11:25	0.3	24	8	14642
1998	7	30	4	2	241	41	7.14	73	54.77	9/8/1998	11:05	0.3	23.9	8	14468
1998	7	31	4	2	285	41	3.607	73	55.196	9/8/1998	10:46	0.3	24	7.4	14032
1998	7	32	4	2	239	41	8.81	73	54.6	9/8/1998	10:18	0.3	24	7.4	13218
1998	7	32	4	2	240	41	8.48	73	54.42	9/8/1998	10:39	0.3	24	7.7	14032
1998	7	32	6	4	237	41	9.274	73	52.181	9/8/1998	18:40	0.3	28.5	6.9	10667
1998	7	32	6	4	238	41	8.85	73	52.123	9/8/1998	18:32	0.3	28.8	6.9	10602
1998	7	32	6	4	269	41	9.445	73	52.243	9/8/1998	18:50	0.3	27	6.6	10041
1998	7	34	6	2	274	41	11.17	73	53.71	9/9/1998	12:10	0.3	23	7.6	11522
1998	7	35	4	2	229	41	10.59	73	56.41	9/9/1998	11:50	0.3	25	7.5	10957
1998	7	35	4	2	277	41	10.95	73	57.06	9/9/1998	11:41	0.3	25	7.5	10957
1998	7	35	6	2	231	41	11.23	73	53.69	9/9/1998	12:34	0.3	23.3	7.2	11348
1998	7	35	6	2	275	41	11.31	73	53.54	9/9/1998	12:46	0.3	23.3	7.2	11348
1998	7	36	4	2	226	41	11.8	73	57.5	9/9/1998	11:03	0.3	26.9	7.4	10444
1998	7	36	4	2	281	41	11.13	73	57.16	9/9/1998	11:26	0.3	26	7.1	10833
1998	7	36	4	2	282	41	11.2	73	57.17	9/9/1998	11:15	0.3	26	7.1	10735

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1998	7	38	4	4	221	41	13.43	73	57.79	9/9/1998	9:13	0.3	21.2	6.2	10561
1998	7	38	4	4	222	41	12.979	73	57.867	9/9/1998	9:50	0.3	22	7	10386
1998	7	38	4	4	223	41	12.89	73	57.806	9/9/1998	10:15	0.3	29	6.8	8264
1998	7	38	4	4	278	41	12.96	73	57.828	9/9/1998	10:07	0.3	29	6.8	8264
1998	7	38	4	4	279	41	13.36	73	57.82	9/9/1998	9:41	0.3	22	7	10386
1998	7	38	4	4	280	41	13.4	73	57.81	9/9/1998	9:27	0.3	21.2	6.2	10561
1998	7	39	4	2	216	41	13.48	73	57.84	9/9/1998	13:22	0.3	24.9	7.2	8684
1998	7	40	4	2	214	41	14.31	73	58.5	9/9/1998	13:53	0.3	24.9	7.3	8884
1998	7	40	6	2	213	41	14.64	73	57.15	9/9/1998	14:18	0.3	25	6.6	9862
1998	7	41	6	2	208	41	15.72	73	50.84	9/9/1998	14:38	0.3	25.7	7	7954
1998	7	42	6	2	207	41	15.3	73	57.8	9/9/1998	14:47	0.3	26.5	6.9	7728
1998	7	48	4	2	197	41	20.86	73	58.08	9/9/1998	13:11	0.3	27.1	6	6489
1998	7	49	4	2	196	41	21.16	73	57.74	9/9/1998	15:38	0.3	27.5	5.6	5490
1998	7	51	6	2	195	41	22.87	73	50.61	9/9/1998	16:01	0.3	27	6	4877
1998	7	52	6	2	193	41	24.12	73	57.31	9/9/1998	16:30	0.3	26	6.1	4392
1998	7	52	6	2	194	41	24.12	73	56.81	9/9/1998	16:20	0.3	26	6.2	4392
1998	7	59	6	2	178	41	29.25	73	59.32	9/11/1998	11:42	0.3	22.4	6.8	1608
1998	7	59	6	2	179	41	29.24	73	59.34	9/11/1998	11:58	0.3	22.5	7.2	1510
1998	7	59	6	2	180	41	29.08	73	59.37	9/11/1998	12:17	0.3	23	7.7	1609
1998	7	59	6	2	181	41	29.04	73	59.33	9/11/1998	12:29	0.3	23	7.7	1609
1998	7	60	6	4	176	41	29.57	73	59.06	9/11/1998	11:27	0.3	22.4	6.8	1577
1998	7	61	4	4	174	41	31.15	74	0.37	9/11/1998	11:05	0.3	24	7.2	925
1998	7	64	4	4	163	41	33.48	73	59.05	9/11/1998	10:37	0.3	24	7	483
1998	7	65	4	4	162	41	33.99	73	58.39	9/11/1998	10:17	0.3	23.5	6.6	318
1998	7	69	6	4	157	41	36.97	73	56.85	9/11/1998	9:38	0.3	23	6.5	258
1998	7	69	6	4	158	41	36.94	73	56.81	9/11/1998	9:52	0.3	23.1	6.5	262
1998	7	76	4	4	146	41	42.94	73	56.87	9/11/1998	9:08	0.3	23.3	6.6	242
1998	7	77	6	4	141	41	44.46	73	56.21	9/11/1998	8:42	0.3	22.9	6.3	218
1998	7	77	6	4	143	41	43.83	73	56.16	9/11/1998	8:56	0.3	22.9	6.4	218
1998	7	80	6	4	137	41	46.14	73	56.82	9/11/1998	8:26	0.3	22.2	6.3	223
1998	7	85	4	4	128					9/11/1998	7:53	0.3	22	6.8	242
1998	7	85	6	2	127	41	51.18	73	56.5	9/11/1998	7:35	0.3	21.4	6.8	214
1998	7	89	6	2	121	41	53.84	73	57.04	9/10/1998	18:35	0.3	27	7.4	234
1998	7	90	6	2	120	41	54.02	73	57.2	9/10/1998	18:20	0.3	27	7.4	234
1998	7	91	6	2	119	41	55.847	73	56.774	9/10/1998	18:00	0.3	26.9	10.3	227
1998	7	93	4	2	116	41	57.05	73	57.77	9/10/1998	17:29	0.3	29.3	7.3	256
1998	7	93	6	2	117	41	57.036	73	56.721	9/10/1998	17:43	0.3	29.3	7.4	272
1998	7	94	6	2	114	41	58.085	73	56.467	9/10/1998	17:12	0.3	29	9.7	257
1998	7	95	4	2	111	41	59.083	73	57.079	9/10/1998	16:49	0.3	26	7.7	239
1998	7	96	4	2	105	42	0.22	73	56.65	9/10/1998	16:27	0.3	27.5	8.7	241
1998	7	96	4	2	110	41	59.4	73	56.94	9/10/1998	16:40	0.3	27	7.9	249
1998	7	97	4	2	103	42	0.5	73	56.51	9/10/1998	16:15	0.3	27.9	8.6	242
1998	7	98	4	2	100	42	1.67	73	56.54	9/10/1998	15:43	0.3	26.8	7.8	259

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1998	7	98	4	2	101	42	1.426	73	56.456	9/10/1998	15:58	0.3	26.8	7.8	259
1998	7	99	6	2	99	42	2.02	73	55.73	9/10/1998	15:21	0.3	27.3	7.7	255
1998	7	105	4	2	98	42	7.33	73	55.3	9/10/1998	14:49	0.3	25	11.4	219
1998	7	110	6	4	91	42	10.9	73	51.53	9/10/1998	14:14	0.3	23	8.6	215
1998	7	114	4	4	81	42	14.39	73	50.549	9/10/1998	13:44	0.3	23	7.7	184
1998	7	114	4	4	83	42	14.26	73	50.71	9/10/1998	13:58	0.3	23	7.7	183
1998	7	118	4	4	75	42	16.12	73	47.49	9/10/1998	13:01	0.3	23.2	8.1	249
1998	7	118	6	4	73	42	16.76	73	47.67	9/10/1998	12:48	0.3	22.5	7.4	199
1998	7	119	6	4	72	42	16.82	73	47.28	9/10/1998	12:37	0.3	22.6	7.5	198
1998	7	121	6	4	66	42	19.33	73	46.85	9/10/1998	12:14	0.3	22.9	8.6	212
1998	7	122	4	4	61	42	20.29	73	47.24	9/10/1998	11:46	0.3	23	8.4	203
1998	7	123	4	4	59					9/10/1998	11:26	0.3	22.8	8.5	199
1998	7	124	4	4	58					9/10/1998	11:12	0.3	22.8	8.5	199
1998	7	139	4	4	15	42	34.32	73	45.25	9/10/1998	10:04	0.3	23.9	7	223
1998	7	139	4	4	18	42	34.14	73	45.24	9/10/1998	10:18	0.3	23.9	7	223
1998	7	145	6	4	4	42	39.51	73	44.09	9/10/1998	8:24	0.3	22	7.4	191
1998	7	145	6	4	5	42	39.19	73	44.41	9/10/1998	9:42	0.3	23.3	7.3	234
1998	7	148	6	4	3	42	41.41	73	42.584	9/10/1998	8:36	0.3	22.5	7.8	187
1998	7	149	6	4	2	42	42	73	42.07	9/10/1998	8:51	0.3	22	7.5	212
1998	7	152	4	4	1	42	44.51	73	41.196	9/10/1998	9:07	0.3	23.9	8	239
1998	8	18	4	2	260	40	56.889	73	55.1	9/24/1998	12:16	0.3	21	7.8	18289
1998	8	19	6	2	259	40	57.735	73	53.561	9/24/1998	12:38	0.3	22	7.7	17911
1998	8	21	6	2	257	40	59.13	73	53.13	9/24/1998	12:54	0.3	22	7.6	18229
1998	8	23	6	2	254	41	1.086	73	52.681	9/24/1998	13:27	0.3	21.7	7.7	16957
1998	8	23	6	2	255	41	0.74	73	52.83	9/24/1998	13:11	0.3	22	7.6	18017
1998	8	24	6	2	252	41	2.057	73	52.505	9/24/1998	13:58	0.3	21.8	7.5	17454
1998	8	24	6	2	253	41	1.169	73	52.711	9/24/1998	13:43	0.3	21.8	7.5	17241
1998	8	25	4	2	250	41	2.86	73	55.07	9/24/1998	10:51	0.3	20	8.1	13374
1998	8	25	4	2	270	41	2.783	73	55.05	9/24/1998	11:15	0.3	20	8.9	13705
1998	8	25	4	2	284	41	2.57	73	54.94	9/24/1998	11:28	0.3	19.8	7.2	13653
1998	8	25	6	2	251	41	2.46	73	52.42	9/24/1998	14:04	0.3	22	7.9	16533
1998	8	26	4	2	271	41	3.77	73	55.22	9/24/1998	10:21	0.3	19.8	7.5	13431
1998	8	26	4	2	283	41	8.34	73	54.4	9/24/1998	10:33	0.3	19.8	7.9	13320
1998	8	26	6	2	247	41	3.891	73	52.077	9/24/1998	14:42	0.3	21.7	7.6	16957
1998	8	26	6	2	248	41	3.273	73	52.221	9/24/1998	14:27	0.3	22	7.5	16215
1998	8	26	6	2	249	41	2.67	73	52.3	9/24/1998	14:13	0.3	22.1	7.9	16393
1998	8	27	4	2	245	41	4.19	73	55.21	9/24/1998	10:03	0.3	20	9.2	13263
1998	8	27	4	4	272	41	4.49	73	55.14	9/24/1998	9:49	0.3	20	8.4	13153
1998	8	28	6	2	243	41	5.683	73	52.214	9/24/1998	15:02	0.3	22.5	8.3	13635
1998	8	28	6	2	244	41	5.33	73	52.33	9/24/1998	14:55	0.3	22.5	8.3	13635
1998	8	29	4	4	242	41	6.1	73	54.88	9/24/1998	9:29	0.3	19.5	7.9	12288
1998	8	30	4	4	241	41	7.14	73	54.77	9/24/1998	9:20	0.3	19.5	7.9	12288
1998	8	31	4	4	285	41	3.607	73	55.196	9/24/1998	9:04	0.3	21	8.1	11688

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1998	8	32	4	4	239	41	8.81	73	54.6	9/24/1998	8:41	0.3	21.9	7.5	11576
1998	8	32	4	4	240	41	8.48	73	54.42	9/24/1998	8:58	0.3	21	8.1	11688
1998	8	32	6	4	237	41	9.274	73	52.181	9/24/1998	15:31	0.3	21.9	9.4	11364
1998	8	32	6	4	238	41	8.85	73	52.123	9/24/1998	15:16	0.3	22	9.5	11340
1998	8	32	6	4	269	41	9.445	73	52.243	9/24/1998	15:45	0.3	21.7	9.7	11091
1998	8	33	6	4	236	41	9.79	73	52.202	9/24/1998	16:04	0.3	20.9	12.4	9652
1998	8	34	6	4	274	41	11.17	73	53.71	9/24/1998	16:42	0.3	22	9.9	9644
1998	8	35	4	4	277	41	10.95	73	57.06	9/24/1998	17:15	0.3	23.5	7.9	8732
1998	8	35	6	4	231	41	11.23	73	53.69	9/24/1998	16:52	0.3	22	9.9	9644
1998	8	35	6	4	232	41	11.172	73	53.996	9/24/1998	16:32	0.3	20.9	8.2	9760
1998	8	35	6	4	275	41	11.31	73	53.54	9/24/1998	17:02	0.3	22	9.8	9538
1998	8	36	4	4	226	41	11.8	73	57.5	9/24/1998	17:56	0.3	23.1	7.9	8805
1998	8	36	4	4	227	41	11.02	73	57.41	9/24/1998	17:24	0.3	23.5	7.9	8732
1998	8	36	4	4	281	41	11.13	73	57.16	9/24/1998	17:36	0.3	23.8	8.1	8474
1998	8	36	4	4	282	41	11.2	73	57.17	9/24/1998	17:46	0.3	23.8	8.1	2348
1998	8	38	4	4	221	41	13.43	73	57.79	9/23/1998	17:08	0.3	22.9	7.3	8113
1998	8	38	4	4	222	41	12.979	73	57.867	9/23/1998	17:24	0.3	24	7.3	7626
1998	8	38	4	4	223	41	12.89	73	57.806	9/23/1998	17:44	0.3	23.1	7.5	7769
1998	8	38	4	4	278	41	12.96	73	57.828	9/23/1998	17:34	0.3	23.1	7.5	7769
1998	8	38	4	4	279	41	13.36	73	57.82	9/23/1998	17:16	0.3	22.9	7.3	8113
1998	8	39	4	4	216	41	13.48	73	57.84	9/23/1998	16:40	0.3	22.5	7.4	7342
1998	8	40	6	4	211	41	14.88	73	57.6	9/23/1998	16:18	0.3	23.9	7.3	8253
1998	8	40	6	4	213	41	14.64	73	57.15	9/23/1998	16:30	0.3	23.8	7.4	8372
1998	8	43	6	2	201	41	17.74	73	56.87	9/23/1998	15:39	0.3	23.8	8.5	5207
1998	8	43	6	2	204	41	16.693	73	56.484	9/23/1998	15:54	0.3	23	8.3	5034
1998	8	51	6	2	195	41	22.87	73	50.61	9/23/1998	15:07	0.3	23.5	7.2	2979
1998	8	52	6	2	193	41	24.12	73	57.31	9/23/1998	14:35	0.3	23	7.1	2605
1998	8	52	6	2	194	41	24.12	73	56.81	9/23/1998	14:46	0.3	23	7.1	2605
1998	8	53	6	2	191	41	24.882	73	57.554	9/23/1998	14:16	0.3	23	7.4	1983
1998	8	55	6	2	189	41	25.66	73	58.14	9/23/1998	14:00	0.3	22.9	7.6	1467
1998	8	57	4	2	185	41	27.68	74	0.73	9/23/1998	13:14	0.3	23.9	8	1172
1998	8	57	4	2	186	41	27.28	74	0.8	9/23/1998	13:25	0.3	23.9	7.9	1172
1998	8	59	6	2	178	41	29.25	73	59.32	9/23/1998	12:25	0.3	22	7.8	1007
1998	8	59	6	2	179	41	29.24	73	59.34	9/23/1998	12:38	0.3	22	7.8	1017
1998	8	59	6	2	181	41	29.04	73	59.33	9/23/1998	12:55	0.3	22	7.9	1007
1998	8	61	4	2	174	41	31.15	74	0.37	9/23/1998	12:03	0.3	23	7.9	510
1998	8	69	4	4	155	41	37.44	73	57.43	9/23/1998	10:59	0.3	22.8	7.8	229
1998	8	69	6	4	158	41	36.94	73	56.81	9/23/1998	11:20	0.3	22	7.8	238
1998	8	71	6	4	152	41	39.77	73	56.55	9/23/1998	10:45	0.3	21	7.8	247
1998	8	72	4	4	151	41	40.04	73	57.11	9/23/1998	10:26	0.3	21	8.7	245
1998	8	74	6	4	149	41	41.064	73	56.289	9/23/1998	10:07	0.3	21.9	7.2	230
1998	8	77	6	4	142	41	43.92	73	56.14	9/23/1998	9:49	0.3	20.4	7.4	231
1998	8	78	4	4	139	41	44.786	73	56.758	9/23/1998	9:30	0.3	20	8.1	230

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1998	8	83	4	2	131	41	49.33	73	57.31	9/23/1998	8:59	0.3	20.4	8.3	228
1998	8	85	4	4	128					9/23/1998	8:27	0.3	21	8	238
1998	8	85	6	4	127	41	51.18	73	56.5	9/23/1998	8:05	0.3	19.5	7.9	212
1998	8	89	6	4	121	41	53.84	73	57.04	9/22/1998	18:00	0.3	24	7.4	236
1998	8	90	6	4	120	41	54.02	73	57.2	9/22/1998	17:50	0.3	24	7.3	235
1998	8	91	6	4	119	41	55.847	73	56.774	9/22/1998	17:36	0.3	24	7.4	233
1998	8	93	4	2	116	41	57.05	73	57.77	9/22/1998	16:47	0.3	24	7.5	234
1998	8	93	6	4	117	41	57.036	73	56.721	9/22/1998	17:18	0.3	24	7.7	234
1998	8	95	4	2	111	41	59.083	73	57.079	9/22/1998	16:29	0.3	24.1	7.9	225
1998	8	96	4	2	105	42	0.22	73	56.65	9/22/1998	16:00	0.3	24.2	7.8	223
1998	8	96	4	2	110	41	59.4	73	56.94	9/22/1998	16:17	0.3	24	7.8	224
1998	8	97	4	2	102	42	0.83	73	56.38	9/22/1998	15:46	0.3	24.5	7.2	216
1998	8	98	4	2	100	42	1.67	73	56.54	9/22/1998	15:25	0.3	24.1	7.8	227
1998	8	98	4	2	101	42	1.426	73	56.456	9/22/1998	15:35	0.3	24.1	7.8	227
1998	8	105	4	2	97	42	7.68	73	55.13	9/22/1998	14:35	0.3	24.1	7.2	223
1998	8	105	4	2	98	42	7.33	73	55.3	9/22/1998	14:49	0.3	24	7.5	224
1998	8	106	4	2	96	42	8.147	73	54.796	9/22/1998	14:20	0.3	24.5	7.7	227
1998	8	110	6	2	90	42	11.04	73	51.38	9/22/1998	13:59	0.3	23.2	8	219
1998	8	113	6	2	87	42	13.32	73	50.85	9/22/1998	13:38	0.3	24	7.9	220
1998	8	114	4	4	81	42	14.39	73	50.549	9/22/1998	12:59	0.3	23.7	7.8	225
1998	8	114	4	2	83	42	14.26	73	50.71	9/22/1998	13:12	0.3	23.8	8	247
1998	8	119	4	4	70	42	17.317	73	47.373	9/22/1998	12:19	0.3	23.5	8.5	280
1998	8	119	4	4	72	42	16.82	73	47.28	9/22/1998	12:33	0.3	23.5	8.4	272
1998	8	123	4	4	59					9/22/1998	11:52	0.3	24	8.7	242
1998	8	123	4	4	60	42	20.64	73	47.39	9/22/1998	12:03	0.3	24	8.7	242
1998	8	124	4	4	55	42	21.64	73	47.62	9/22/1998	11:20	0.3	23.1	8.9	221
1998	8	124	6	4	57	42	21.28	73	47.32	9/22/1998	11:29	0.3	23	8.9	221
1998	8	129	6	4	38	42	26.05	73	46.82	9/22/1998	10:30	0.3	22.9	8.7	225
1998	8	129	6	4	41	42	25.79	73	46.99	9/22/1998	10:43	0.3	23	7.8	243
1998	8	131	4	4	33	42	28.06	73	47.13	9/22/1998	9:48	0.3	23.8	6.9	230
1998	8	131	4	4	35	42	27.8	73	47.1	9/22/1998	10:10	0.3	23.4	7.8	256
1998	8	132	4	4	30					9/22/1998	9:21	0.3	22.5	7.6	234
1998	8	133	4	4	29	42	29.09	73	47.273	9/22/1998	9:33	0.3	23.8	7.4	246
1998	8	134	4	4	28	42	30.027	73	46.913	9/22/1998	9:03	0.3	23	7.2	304
1998	9	16	4	4	262	40	54.9	73	55.7	10/5/1998	11:56	0.3	19.8	6.4	24530
1998	9	18	6	4	261	40	56.27	73	54.17	10/5/1998	11:38	0.3	19.5	6.8	21112
1998	9	20	6	4	258	40	57.73	73	53.661	10/5/1998	12:16	0.3	20	6.5	21553
1998	9	22	6	4	256	40	59.97	73	53.05	10/5/1998	12:37	0.3	19.5	8.1	18990
1998	9	23	6	4	255	41	0.74	73	52.83	10/5/1998	12:52	0.3	20	7	18790
1998	9	24	6	4	252	41	2.057	73	52.505	10/5/1998	13:24	0.3	20.2	8.1	18710
1998	9	24	6	4	253	41	1.169	73	52.711	10/5/1998	13:09	0.3	20.5	7.7	18702
1998	9	25	4	2	250	41	2.86	73	55.07	10/5/1998	10:43	0.3	18	9.2	14073
1998	9	25	4	2	270	41	2.783	73	55.05	10/5/1998	10:55	0.3	18	8	14188

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1998	9	25	4	2	284	41	2.57	73	54.94	10/5/1998	11:07	0.3	17.5	8	14342
1998	9	25	6	4	251	41	2.46	73	52.42	10/5/1998	13:42	0.3	20.1	7.2	18750
1998	9	26	4	2	246	41	3.6	73	55.2	10/5/1998	10:15	0.3	17.3	7.4	14171
1998	9	26	4	2	271	41	3.77	73	55.22	10/5/1998	10:06	0.3	17.8	8.3	13902
1998	9	26	4	2	283	41	8.34	73	54.4	10/5/1998	10:27	0.3	17.8	7.9	14018
1998	9	26	6	4	247	41	3.891	73	52.077	10/5/1998	14:26	0.3	20	8.3	14811
1998	9	26	6	4	248	41	3.273	73	52.221	10/5/1998	14:12	0.3	20	8	16469
1998	9	26	6	4	249	41	2.67	73	52.3	10/5/1998	13:55	0.3	20.2	8.3	16509
1998	9	27	4	2	245	41	4.19	73	55.21	10/5/1998	9:52	0.3	17.8	7.9	13786
1998	9	27	4	2	272	41	4.49	73	55.14	10/5/1998	9:41	0.3	17.6	7.7	13730
1998	9	28	6	4	243	41	5.683	73	52.214	10/5/1998	14:49	0.3	20	8.4	14258
1998	9	28	6	4	244	41	5.33	73	52.33	10/5/1998	14:41	0.3	20	8.4	14258
1998	9	29	4	2	242	41	6.1	73	54.88	10/5/1998	9:19	0.3	18	8.3	12689
1998	9	30	4	2	241	41	7.14	73	54.77	10/5/1998	9:08	0.3	18	7.8	12804
1998	9	31	4	2	285	41	3.607	73	55.196	10/5/1998	8:49	0.3	18.9	7.6	12106
1998	9	32	4	4	237	41	9.274	73	52.181	10/5/1998	15:24	0.3	20.5	8.4	10937
1998	9	32	4	2	239	41	8.81	73	54.6	10/5/1998	8:25	0.3	18.6	7.9	11387
1998	9	32	4	2	240	41	8.48	73	54.42	10/5/1998	8:40	0.3	18.9	7.6	12106
1998	9	32	6	4	238	41	8.85	73	52.123	10/5/1998	15:13	0.3	20.1	8.4	11140
1998	9	32	6	4	269	41	9.445	73	52.243	10/5/1998	15:39	0.3	20.2	8	11006
1998	9	34	6	4	233	41	10.662	73	53.922	10/5/1998	15:56	0.3	21	8.8	10822
1998	9	34	6	4	274	41	11.17	73	53.71	10/5/1998	16:13	0.3	20	8.4	10169
1998	9	35	4	4	229	41	10.59	73	56.41	10/5/1998	16:57	0.3	21.3	7.7	10539
1998	9	35	4	4	277	41	10.95	73	57.06	10/5/1998	16:50	0.3	21.3	7.7	10539
1998	9	35	6	4	275	41	11.31	73	53.54	10/5/1998	16:28	0.3	21.1	8.5	10691
1998	9	36	4	4	226	41	11.8	73	57.5	10/5/1998	17:40	0.3	21.5	7.7	9638
1998	9	36	4	4	281	41	11.13	73	57.16	10/5/1998	17:11	0.3	21.7	7.6	10345
1998	9	36	4	4	282	41	11.2	73	57.17	10/5/1998	17:20	0.3	21.7	7.6	10345
1998	9	38	4	4	221	41	13.43	73	57.79	10/7/1998	15:40	0.3	21	7.5	9740
1998	9	38	4	4	222	41	12.979	73	57.867	10/7/1998	16:08	0.3	20	8.3	10721
1998	9	38	4	1	223	41	12.89	73	57.806	10/7/1998	16:28	0.3	20	8.1	10500
1998	9	38	4	4	278	41	12.96	73	57.828	10/7/1998	16:17	0.3	20	8.1	10500
1998	9	38	4	4	279	41	13.36	73	57.82	10/7/1998	15:59	0.3	20	8.3	10721
1998	9	38	4	4	280	41	13.4	73	57.81	10/7/1998	15:48	0.3	21	7.5	9740
1998	9	40	4	2	214	41	14.31	73	58.5	10/7/1998	15:22	0.3	20	8.5	8842
1998	9	40	6	2	211	41	14.88	73	57.6	10/7/1998	15:09	0.3	19.9	8.4	10079
1998	9	41	6	2	208	41	15.72	73	50.84	10/7/1998	14:57	0.3	21.5	7.3	9531
1998	9	43	6	2	203	41	16.91	73	56.26	10/7/1998	14:42	0.3	21	7.3	7576
1998	9	44	6	2	201	41	17.74	73	56.87	10/7/1998	14:27	0.3	21	7.9	7034
1998	9	51	6	2	195	41	22.87	73	50.61	10/7/1998	13:57	0.3	20.8	7.2	4564
1998	9	52	6	2	193	41	24.12	73	57.31	10/7/1998	13:38	0.3	20.8	7.6	4130
1998	9	52	6	2	194	41	24.12	73	56.81	10/7/1998	13:47	0.3	20.8	7.6	4130
1998	9	53	6	2	190	41	24.961	73	57.702	10/7/1998	13:24	0.3	19.9	8.2	2104

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1998	9	55	6	2	189	41	25.66	73	58.14	10/7/1998	13:12	0.3	20	8.3	2409
1998	9	57	4	2	183	41	28.02	74	0.87	10/7/1998	12:29	0.3	18	8.7	1719
1998	9	57	4	2	186	41	27.28	74	0.8	10/7/1998	12:50	0.3	19	8.5	1479
1998	9	58	6	2	184	41	27.78	74	0.7	10/7/1998	12:42	0.3	18	8.7	1730
1998	9	59	4	2	180	41	29.08	73	59.37	10/7/1998	11:55	0.3	18	9.2	1673
1998	9	59	4	2	181	41	29.04	73	59.33	10/7/1998	12:08	0.3	18	9	1730
1998	9	61	4	2	174	41	31.15	74	0.37	10/7/1998	11:40	0.3	20	8	552
1998	9	66	4	4	160	41	34.777	73	57.753	10/7/1998	11:14	0.3	18.5	8.2	435
1998	9	69	6	2	156	41	37.03	73	56.88	10/7/1998	10:48	0.3	20	8	290
1998	9	71	4	2	154	41	38.88	73	57.23	10/7/1998	10:32	0.3	20	7.7	254
1998	9	73	6	2	150	41	40.28	73	56.49	10/7/1998	10:12	0.3	19.9	7.7	255
1998	9	76	4	4	146	41	42.94	73	56.87	10/7/1998	9:39	0.3	19	7.5	283
1998	9	77	6	4	141	41	44.46	73	56.21	10/7/1998	9:05	0.3	19	7.9	248
1998	9	77	6	4	142	41	43.92	73	56.14	10/7/1998	9:19	0.3	18.1	7.7	252
1998	9	83	4	4	133	41	48.74	73	57.19	10/7/1998	8:37	0.3	17.9	7.6	244
1998	9	84	4	4	129	41	50.61	73	57.28	10/7/1998	8:17	0.3	17	7.5	253
1998	9	85	6	4	127	41	51.18	73	56.5	10/7/1998	7:56	0.3	16.9	8.4	236
1998	9	88	6	4	122	41	53.023	73	56.214	10/6/1998	17:30	0.3	18.8	8.9	239
1998	9	90	6	4	120	41	54.02	73	57.2	10/6/1998	17:10	0.3	18.7	8.7	240
1998	9	91	6	4	119	41	55.847	73	56.774	10/6/1998	16:50	0.3	18.8	8.8	231
1998	9	92	4	4	118	41	56.32	73	58.1	10/6/1998	16:40	0.3	18	10	219
1998	9	93	4	4	116	41	57.05	73	57.77	10/6/1998	16:22	0.3	18	9	234
1998	9	96	4	4	108	41	59.76	73	56.81	10/6/1998	15:55	0.3	18.5	9.1	242
1998	9	96	4	4	110	41	59.4	73	56.94	10/6/1998	16:04	0.3	18.5	9.1	242
1998	9	97	4	2	102	42	0.83	73	56.38	10/6/1998	15:31	0.3	18	8.9	243
1998	9	97	4	2	103	42	0.5	73	56.51	10/6/1998	15:43	0.3	18.6	9.5	244
1998	9	98	4	2	100	42	1.67	73	56.54	10/6/1998	15:08	0.3	18	8.9	245
1998	9	98	4	2	101	42	1.426	73	56.456	10/6/1998	15:17	0.3	18	8.7	245
1998	9	99	6	2	99	42	2.02	73	55.73	10/6/1998	14:47	0.3	17.8	8.3	247
1998	9	105	4	2	97	42	7.68	73	55.13	10/6/1998	14:08	0.3	18.2	9.6	241
1998	9	105	4	2	98	42	7.33	73	55.3	10/6/1998	14:23	0.3	18.1	9.3	243
1998	9	110	6	2	91	42	10.9	73	51.53	10/6/1998	13:38	0.3	18	9.7	240
1998	9	112	4	2	88	42	12.69	73	51.26	10/6/1998	13:24	0.3	18.1	9.5	242
1998	9	114	4	4	82	42	14.31	73	50.58	10/6/1998	12:49	0.3	18.9	9.8	253
1998	9	114	6	2	84	42	14.02	73	50.18	10/6/1998	12:26	0.3	17.8	9.9	247
1998	9	115	6	2	79	42	14.8	73	49	10/6/1998	12:04	0.3	17	10.5	248
1998	9	118	4	2	73	42	16.76	73	47.67	10/6/1998	11:45	0.3	17.9	10.5	243
1998	9	119	4	2	72	42	16.82	73	47.28	10/6/1998	11:33	0.3	17.9	10.5	243
1998	9	119	6	4	71	42	17.16	73	46.8	10/6/1998	11:17	0.3	16	11.4	245
1998	9	121	6	4	66	42	19.33	73	46.85	10/6/1998	10:45	0.3	17	10.4	246
1998	9	121	6	4	67	42	18.82	73	46.89	10/6/1998	10:57	0.3	16.6	11.2	232
1998	9	129	4	4	41	42	25.79	73	46.99	10/6/1998	10:05	0.3	16.4	10.5	239
1998	9	132	6	4	31	42	28.65	73	47.09	10/6/1998	9:46	0.3	16.9	8.6	242

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1998	9	133	4	4	29	42	29.09	73	47.273	10/6/1998	9:32	0.3	16.9	8.7	272
1998	9	134	4	4	28	42	30.027	73	46.913	10/6/1998	9:16	0.3	16	8.7	271
1998	9	135	4	4	25	42	31.16	73	46.06	10/6/1998	8:38	0.3	16	8.4	240
1998	9	135	4	4	26	42	30.91	73	46.27	10/6/1998	8:56	0.3	16	8.9	287
1998	9	138	4	4	23	42	33.14	73	45.46	10/6/1998	8:22	0.3	16.8	8.4	237
1998	10	14	4	4	265					10/19/1998	11:40	0.3	18.5	7.5	19970
1998	10	15	4	4	264	40	53.57	73	56.32	10/19/1998	11:26	0.3	18.6	7.5	21408
1998	10	16	4	2	262	40	54.9	73	55.7	10/19/1998	11:11	0.3	18.5	7.6	18829
1998	10	18	6	4	261	40	56.27	73	54.17	10/19/1998	12:00	0.3	18.5	8.5	17232
1998	10	23	6	4	255	41	0.74	73	52.83	10/19/1998	12:26	0.3	18.1	8.4	13812
1998	10	24	6	4	252	41	2.057	73	52.505	10/19/1998	12:55	0.3	18.2	8.4	14701
1998	10	24	6	4	253	41	1.169	73	52.711	10/19/1998	12:42	0.3	18.3	9.1	13868
1998	10	25	4	2	250	41	2.86	73	55.07	10/19/1998	10:25	0.3	17.8	8.4	11933
1998	10	25	4	2	270	41	2.783	73	55.05	10/19/1998	10:27	0.3	17.9	8.3	11907
1998	10	25	6	4	251	41	2.46	73	52.42	10/19/1998	13:13	0.3	18.8	8.9	13039
1998	10	26	4	2	246	41	3.6	73	55.2	10/19/1998	10:05	0.3	17.8	7.4	11933
1998	10	26	4	2	271	41	3.77	73	55.22	10/19/1998	9:55	0.3	17.8	7.4	11933
1998	10	26	4	2	283	41	8.34	73	54.4	10/19/1998	10:13	0.3	17.8	7.4	11933
1998	10	26	6	4	247	41	3.891	73	52.077	10/19/1998	13:47	0.3	18.5	9.1	11526
1998	10	26	6	4	248	41	3.273	73	52.221	10/19/1998	13:35	0.3	18.2	8.5	11600
1998	10	26	6	4	249	41	2.67	73	52.3	10/19/1998	13:25	0.3	18.2	8.7	12864
1998	10	27	4	2	245	41	4.19	73	55.21	10/19/1998	9:42	0.3	17.9	8.1	11560
1998	10	27	4	2	272	41	4.49	73	55.14	10/19/1998	9:29	0.3	17.8	7.7	11353
1998	10	28	6	4	243	41	5.683	73	52.214	10/19/1998	14:13	0.3	18.5	9	11183
1998	10	28	6	4	244	41	5.33	73	52.33	10/19/1998	14:03	0.3	18.5	8.9	11183
1998	10	29	4	2	242	41	6.1	73	54.88	10/19/1998	9:17	0.3	18	8.5	10958
1998	10	30	4	2	241	41	7.14	73	54.77	10/19/1998	9:04	0.3	18	8.6	10382
1998	10	31	4	2	285	41	3.607	73	55.196	10/19/1998	8:52	0.3	18.4	7.8	9378
1998	10	32	4	2	239	41	8.81	73	54.6	10/19/1998	8:26	0.3	18.9	7.7	8825
1998	10	32	4	2	240	41	8.48	73	54.42	10/19/1998	8:40	0.3	18.5	7.8	9129
1998	10	32	6	4	237	41	9.274	73	52.181	10/19/1998	14:49	0.3	19	8.7	9258
1998	10	32	6	4	238	41	8.85	73	52.123	10/19/1998	14:38	0.3	19.2	8.8	9219
1998	10	32	6	4	269	41	9.445	73	52.243	10/19/1998	14:57	0.3	19.1	8.7	9238
1998	10	33	6	4	236	41	9.79	73	52.202	10/19/1998	15:06	0.3	19	8.5	9032
1998	10	34	6	4	233	41	10.662	73	53.922	10/19/1998	15:30	0.3	19.2	8.7	8769
1998	10	34	6	4	234	41	10.19	73	53.93	10/19/1998	15:22	0.3	19.1	8.7	8788
1998	10	35	4	4	229	41	10.59	73	56.41	10/19/1998	16:27	0.3	18.9	8.6	7241
1998	10	35	4	4	230	41	10.59	73	56.39	10/19/1998	16:18	0.3	18.9	8.7	7241
1998	10	35	4	4	277	41	10.95	73	57.06	10/19/1998	17:00	0.3	19	8.1	7903
1998	10	35	6	4	231	41	11.23	73	53.69	10/19/1998	16:09	0.3	19.8	8.7	8325
1998	10	35	6	4	232	41	11.172	73	53.996	10/19/1998	15:42	0.3	19.8	8.3	8214
1998	10	35	6	4	274	41	11.17	73	53.71	10/19/1998	15:51	0.3	19.8	8.3	8214
1998	10	35	6	4	275	41	11.31	73	53.54	10/19/1998	16:19	0.3	19.8	8.6	8325

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1998	10	36	4	4	227	41	11.02	73	57.41	10/19/1998	17:11	0.3	19	8	7903
1998	10	38	4	2	222	41	12.979	73	57.867	10/20/1998	8:11	0.3	19	7.5	5758
1998	10	38	4	2	223	41	12.89	73	57.806	10/20/1998	8:19	0.3	18.9	7.5	5770
1998	10	38	4	2	279	41	13.36	73	57.82	10/20/1998	8:03	0.3	18.1	7.5	5870
1998	10	38	4	2	280	41	13.4	73	57.81	10/20/1998	7:55	0.3	18.1	7.4	5870
1998	10	40	6	2	211	41	14.88	73	57.6	10/20/1998	8:31	0.3	17.5	7.6	6413
1998	10	41	6	2	208	41	15.72	73	50.84	10/20/1998	8:44	0.3	18.9	7.5	4526
1998	10	42	6	2	207	41	15.3	73	57.8	10/20/1998	8:58	0.3	21.2	7.4	3880
1998	10	43	6	2	205	41	16.413	73	56.551	10/20/1998	9:21	0.3	17.6	7.3	3781
1998	10	46	6	2	199	41	19.42	73	58.77	10/20/1998	9:50	0.3	18	7.9	2019
1998	10	49	4	2	196	41	21.16	73	57.74	10/20/1998	10:20	0.3	17.6	8	1408
1998	10	51	6	2	195	41	22.87	73	50.61	10/20/1998	10:36	0.3	17.6	7.9	1396
1998	10	52	6	2	194	41	24.12	73	56.81	10/20/1998	10:51	0.3	18	7.9	1142
1998	10	53	4	2	192	41	24.19	73	57.95	10/20/1998	11:05	0.3	18	8.4	900
1998	10	53	6	2	191	41	24.882	73	57.554	10/20/1998	11:22	0.3	17	8.4	1167
1998	10	56	4	2	187	41	26.83	74	0.5	10/20/1998	11:59	0.3	18.1	8.1	455
1998	10	56	4	2	188	41	26.47	73	59.66	10/20/1998	11:42	0.3	18.1	8.2	518
1998	10	57	4	2	185	41	27.68	74	0.73	10/20/1998	12:19	0.3	18.6	8.5	451
1998	10	57	4	2	186	41	27.28	74	0.8	10/20/1998	12:11	0.3	18.6	8.5	451
1998	10	58	4	2	184	41	27.78	74	0.7	10/20/1998	12:28	0.3	18.5	8.4	451
1998	10	61	4	2	174	41	31.15	74	0.37	10/20/1998	12:46	0.3	18.6	8	273
1998	10	62	4	2	171	41	32.19	73	59.91	10/20/1998	13:15	0.3	19	8.3	271
1998	10	65	4	2	162	41	33.99	73	58.39	10/20/1998	13:32	0.3	18.8	8	260
1998	10	66	4	2	160	41	34.777	73	57.753	10/20/1998	13:48	0.3	18.6	8.2	245
1998	10	69	6	2	157	41	36.97	73	56.85	10/20/1998	14:02	0.3	18.1	8.4	254
1998	10	71	4	2	153	41	39.06	73	57.257	10/20/1998	14:22	0.3	17.5	8.4	245
1998	10	77	6	4	143	41	43.83	73	56.16	10/20/1998	14:46	0.3	17.1	8.3	243
1998	10	78	6	4	138	41	45.18	73	56.22	10/20/1998	15:00	0.3	17.1	8.2	247
1998	10	80	6	4	137	41	46.14	73	56.82	10/20/1998	15:11	0.3	17.1	8.4	241
1998	10	81	4	4	135	41	47.474	73	57.457	10/20/1998	15:26	0.3	17	8.7	242
1998	10	84	4	4	129	41	50.61	73	57.28	10/20/1998	15:45	0.3	16.5	8.6	244
1998	10	86	4	4	124	41	51.95	73	56.84	10/20/1998	16:20	0.3	16.7	8.5	247
1998	10	86	4	4	126	41	51.44	73	56.97	10/20/1998	16:06	0.3	16.7	8.5	247
1998	10	88	6	4	122	41	53.023	73	56.214	10/20/1998	16:39	0.3	16.2	8.9	251
1998	10	89	6	4	121	41	53.84	73	57.04	10/20/1998	16:53	0.3	15.9	8.8	251
1998	10	90	6	4	120	41	54.02	73	57.2	10/20/1998	17:05	0.3	15.9	8.8	252
1998	10	95	4	2	111	41	59.083	73	57.079	10/21/1998	15:10	0.3	15.4	8.9	244
1998	10	96	4	2	105	42	0.22	73	56.65	10/21/1998	14:39	0.3	15.5	9	245
1998	10	96	4	2	108	41	59.76	73	56.81	10/21/1998	14:49	0.3	15.4	9	244
1998	10	96	4	2	110	41	59.4	73	56.94	10/21/1998	14:59	0.3	15.5	9.1	245
1998	10	97	4	2	102	42	0.83	73	56.38	10/21/1998	14:27	0.3	15.1	9.6	246
1998	10	98	4	2	101	42	1.426	73	56.456	10/21/1998	14:14	0.3	15.2	9.3	240
1998	10	99	6	2	99	42	2.02	73	55.73	10/21/1998	14:01	0.3	15	9.6	248

Hudson River Beach Seine Water Quality Data, 1993-2005

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1998	10	105	4	2	98	42	7.33	73	55.3	10/21/1998	13:41	0.3	15.2	10.6	248
1998	10	106	4	2	96	42	8.147	73	54.796	10/21/1998	13:28	0.3	15.2	10.4	330
1998	10	114	4	2	81	42	14.39	73	50.549	10/21/1998	12:26	0.3	15.5	10.8	245
1998	10	114	4	2	83	42	14.26	73	50.71	10/21/1998	12:40	0.3	15.4	10.5	245
1998	10	115	6	4	79	42	14.8	73	49	10/21/1998	12:08	0.3	14.9	10.5	249
1998	10	117	4	4	76	42	15.84	73	47.69	10/21/1998	11:47	0.3	15.4	10.2	238
1998	10	119	4	4	70	42	17.317	73	47.373	10/21/1998	11:29	0.3	14	9	242
1998	10	121	4	4	68	42	18.53	73	47.1	10/21/1998	11:10	0.3	14.8	9.6	238
1998	10	122	4	4	63	42	19.84	73	47.18	10/21/1998	10:50	0.3	14.4	9.2	237
1998	10	122	6	4	62	42	20.105	73	46.848	10/21/1998	10:40	0.3	13.6	9.5	237
1998	10	123	4	4	59					10/21/1998	10:21	0.3	14.1	9	233
1998	10	124	6	4	56	42	21.49	73	47.29	10/21/1998	10:05	0.3	13.5	9.4	231
1998	10	126	4	4	50	42	23.21	73	47.62	10/21/1998	9:46	0.3	13.8	9.2	218
1998	10	129	4	4	40	42	25.67	73	46.67	10/21/1998	9:24	0.3	13.8	9.5	239
1998	10	134	4	4	28	42	30.027	73	46.913	10/21/1998	9:00	0.3	13.2	9.2	228
1998	10	139	4	4	18	42	34.14	73	45.24	10/21/1998	8:36	0.3	13.6	9	229
1998	10	143	4	4	6	42	38.03	73	45.23	10/21/1998	8:11	0.3	13.5	9	198
1998	10	145	6	4	4	42	39.51	73	44.09	10/21/1998	7:41	0.3	13	9.5	180
1998	10	145	6	4	5	42	39.19	73	44.41	10/21/1998	7:53	0.3	13	9.5	180
1999	1	14	4	4	266	40	52.925	73	56.648	6/14/1999	13:35	0.3	22.1	6.3	24113
1999	1	18	4	2	260	40	56.889	73	55.1	6/14/1999	13:06	0.3	22.4	6.1	20285
1999	1	23	6	4	254	41	1.086	73	52.681	6/14/1999	14:18	0.3	22.9	6.6	17995
1999	1	24	6	4	252	41	2.057	73	52.505	6/14/1999	14:35	0.3	22.6	6.8	17270
1999	1	26	4	2	271	41	3.77	73	55.22	6/14/1999	12:16	0.3	23.2	7.2	12405
1999	1	26	4	2	283	41	8.34	73	54.4	6/14/1999	12:32	0.3	23.8	7.6	12354
1999	1	26	6	4	247	41	3.891	73	52.077	6/14/1999	15:12	0.3	23.1	7.5	14399
1999	1	26	6	4	249	41	2.67	73	52.3	6/14/1999	14:55	0.3	22.7	6.8	15667
1999	1	27	4	2	245	41	4.19	73	55.21	6/14/1999	12:00	0.3	22.9	7.9	12378
1999	1	27	4	2	272	41	4.49	73	55.14	6/14/1999	11:41	0.3	22.9	7.4	12066
1999	1	28	6	4	243	41	5.683	73	52.214	6/14/1999	15:47	0.3	24.2	7.3	12050
1999	1	28	6	4	244	41	5.33	73	52.33	6/14/1999	15:32	0.3	24.2	7.4	12151
1999	1	30	4	2	241	41	7.14	73	54.77	6/14/1999	11:15	0.3	23	7.4	11314
1999	1	32	4	2	239	41	8.81	73	54.6	6/14/1999	10:49	0.3	23.1	7.2	10877
1999	1	35	4	4	230	41	10.59	73	56.39	6/17/1999	9:10	0.3	22	7	8267
1999	1	35	4	4	277	41	10.95	73	57.06	6/17/1999	8:43	0.3	22.1	6.4	8249
1999	1	35	6	4	231	41	11.23	73	53.69	6/14/1999	16:37	0.3	23.7	6.6	8799
1999	1	35	6	4	274	41	11.17	73	53.71	6/14/1999	16:22	0.3	23.8	6.5	8883
1999	1	36	4	4	227	41	11.02	73	57.41	6/17/1999	8:36	0.3	22.1	6.4	8249
1999	1	38	4	4	222	41	12.979	73	57.867	6/17/1999	8:17	0.3	22.8	6.5	6358
1999	1	38	4	4	280	41	13.4	73	57.81	6/17/1999	8:06	0.3	22.8	6.5	6358
1999	1	40	6	4	211	41	14.88	73	57.6	6/17/1999	7:45	0.3	23	6.5	7059
1999	1	43	6	4	205	41	16.413	73	56.551	6/16/1999	18:30	0.3	23.8	8.3	2920
1999	1	46	6	4	199	41	19.42	73	58.77	6/16/1999	18:12	0.3	22	7	3232

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1999	1	49	6	4	196	41	21.16	73	57.74	6/16/1999	17:50	0.3	23	6.3	1972
1999	1	52	4	4	193	41	24.12	73	57.31	6/16/1999	17:30	0.3	23	6.6	1152
1999	1	55	6	2	189	41	25.66	73	58.14	6/16/1999	15:37	0.3	23.2	8.4	436
1999	1	56	4	2	187	41	26.83	74	0.5	6/16/1999	14:55	0.3	24.3	7.7	263
1999	1	57	4	2	185	41	27.68	74	0.73	6/16/1999	15:14	0.3	24.1	8.3	284
1999	1	58	4	2	183	41	28.02	74	0.87	6/16/1999	14:39	0.3	24.5	8.5	270
1999	1	64	4	2	164	41	33.37	73	59.18	6/16/1999	14:05	0.3	24.1	8.3	243
1999	1	66	4	2	160	41	34.777	73	57.753	6/16/1999	13:39	0.3	24.1	11.4	244
1999	1	69	6	2	156	41	37.03	73	56.88	6/16/1999	13:11	0.3	23.5	8.5	261
1999	1	69	6	2	158	41	36.94	73	56.81	6/16/1999	13:21	0.3	23.5	8.4	261
1999	1	71	4	2	153	41	39.06	73	57.257	6/16/1999	12:54	0.3	23	8.1	230
1999	1	72	4	2	151	41	40.04	73	57.11	6/16/1999	12:41	0.3	23	7.2	229
1999	1	74	4	2	147	41	41.29	73	56.8	6/16/1999	12:27	0.3	23.1	7.5	230
1999	1	76	4	4	146	41	42.94	73	56.87	6/16/1999	12:14	0.3	23.4	7.8	244
1999	1	77	6	4	141	41	44.46	73	56.21	6/16/1999	11:30	0.3	23	7.3	234
1999	1	77	6	4	142	41	43.92	73	56.14	6/16/1999	11:40	0.3	23	7.3	233
1999	1	77	6	4	143	41	43.83	73	56.16	6/16/1999	11:50	0.3	23.1	7.2	233
1999	1	80	6	4	137	41	46.14	73	56.82	6/16/1999	11:14	0.3	23.7	7.5	229
1999	1	81	4	4	135	41	47.474	73	57.457	6/16/1999	10:57	0.3	23	9	229
1999	1	82	4	4	134	41	48.51	73	57.22	6/16/1999	10:40	0.3	22.7	9.3	230
1999	1	84	4	4	129	41	50.61	73	57.28	6/16/1999	10:22	0.3	22.9	7.7	230
1999	1	85	4	4	128					6/16/1999	10:09	0.3	22.7	8.8	230
1999	1	86	4	4	126	41	51.44	73	56.97	6/16/1999	9:49	0.3	21	8.4	227
1999	1	86	6	4	125	41	51.75	73	55.89	6/16/1999	9:33	0.3	22.3	7.8	223
1999	1	88	6	4	122	41	53.023	73	56.214	6/16/1999	9:21	0.3	22.5	8.5	231
1999	1	89	6	4	121	41	53.84	73	57.04	6/16/1999	9:09	0.3	22.5	7	231
1999	1	90	6	4	120	41	54.02	73	57.2	6/16/1999	8:59	0.3	22.5	7	231
1999	1	92	4	2	118	41	56.32	73	58.1	6/16/1999	6:14	0.3	22	7	244
1999	1	93	4	2	116	41	57.05	73	57.77	6/16/1999	6:35	0.3	22.7	7.2	230
1999	1	93	6	4	117	41	57.036	73	56.721	6/16/1999	8:39	0.3	22.6	7.5	232
1999	1	94	4	4	113	41	58.38	73	57.25	6/16/1999	7:20	0.3	22.6	7.8	233
1999	1	94	4	4	115	41	57.78	73	57.47	6/16/1999	6:47	0.3	22.3	7.8	235
1999	1	95	4	4	111	41	59.083	73	57.079	6/16/1999	7:41	0.3	22.2	8.4	234
1999	1	95	6	4	112	41	58.238	73	56.123	6/16/1999	8:21	0.3	23	7.4	229
1999	1	96	4	4	105	42	0.22	73	56.65	6/15/1999	18:35	0.3	23.5	6.9	236
1999	1	96	4	4	108	41	59.76	73	56.81	6/16/1999	8:06	0.3	22	8	235
1999	1	96	4	4	110	41	59.4	73	56.94	6/16/1999	7:53	0.3	22.8	8.4	232
1999	1	97	4	2	102	42	0.83	73	56.38	6/15/1999	18:17	0.3	23.5	6.6	238
1999	1	97	4	4	103	42	0.5	73	56.51	6/15/1999	18:26	0.3	23.4	6.8	238
1999	1	98	4	2	100	42	1.67	73	56.54	6/15/1999	18:01	0.3	23.6	6.7	238
1999	1	98	4	2	101	42	1.426	73	56.456	6/15/1999	18:11	0.3	23.7	6.9	243
1999	1	99	6	2	99	42	2.02	73	55.73	6/15/1999	17:50	0.3	24.8	7.8	240
1999	1	105	4	2	97	42	7.68	73	55.13	6/15/1999	17:21	0.3	22.9	6.9	259

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1999	1	105	4	2	98	42	7.33	73	55.3	6/15/1999	17:32	0.3	22.9	6.9	259
1999	1	106	4	2	96	42	8.147	73	54.796	6/15/1999	17:08	0.3	24	6.6	252
1999	1	114	4	2	81	42	14.39	73	50.549	6/15/1999	16:23	0.3	24	7.5	254
1999	1	114	4	4	82	42	14.31	73	50.58	6/15/1999	16:40	0.3	25.1	8.2	260
1999	1	115	6	2	79	42	14.8	73	49	6/15/1999	15:59	0.3	25.8	8.5	255
1999	1	115	6	2	80	42	14.8	73	49.1	6/15/1999	16:09	0.3	25.9	8.6	254
1999	1	116	6	2	77	42	15.02	73	48.31	6/15/1999	15:35	0.3	25	8.4	272
1999	1	117	4	2	76	42	15.84	73	47.69	6/15/1999	15:21	0.3	27	8.3	247
1999	1	118	4	2	75	42	16.12	73	47.49	6/15/1999	15:14	0.3	27	8.3	247
1999	1	119	4	2	70	42	17.317	73	47.373	6/15/1999	14:31	0.3	26.1	8	246
1999	1	119	6	2	69	42	17.29	73	46.78	6/15/1999	14:15	0.3	27	8.5	251
1999	1	119	6	2	71	42	17.16	73	46.8	6/15/1999	14:44	0.3	27	9.6	237
1999	1	119	6	2	72	42	16.82	73	47.28	6/15/1999	14:58	0.3	25.1	8.5	251
1999	1	121	6	2	66	42	19.33	73	46.85	6/15/1999	13:36	0.3	26.7	9.4	243
1999	1	121	6	2	67	42	18.82	73	46.89	6/15/1999	13:49	0.3	26.7	9.4	243
1999	1	122	4	4	63	42	19.84	73	47.18	6/15/1999	13:10	0.3	25.3	8.4	248
1999	1	122	6	4	64	42	19.9	73	46.8	6/15/1999	13:20	0.3	27.3	8.9	247
1999	1	123	4	4	59					6/15/1999	12:31	0.3	24.6	8	250
1999	1	123	4	4	60	42	20.64	73	47.39	6/15/1999	12:46	0.3	24.7	8	250
1999	1	124	4	4	55	42	21.64	73	47.62	6/15/1999	12:06	0.3	25	8.5	250
1999	1	124	6	4	57	42	21.28	73	47.32	6/15/1999	12:18	0.3	24.8	8.9	251
1999	1	126	4	4	50	42	23.21	73	47.62	6/15/1999	11:47	0.3	25.6	9.1	246
1999	1	129	6	4	39	42	25.879	73	46.76	6/15/1999	11:24	0.3	25.4	9.9	247
1999	1	130	6	4	36					6/15/1999	11:07	0.3	25.2	8.2	247
1999	1	131	4	4	33	42	28.06	73	47.13	6/15/1999	10:48	0.3	25	6.9	244
1999	1	133	4	4	29	42	29.09	73	47.273	6/15/1999	10:30	0.3	25	6.4	239
1999	1	134	4	4	28	42	30.027	73	46.913	6/15/1999	10:13	0.3	24.9	7.5	245
1999	1	138	4	4	22	42	33.36	73	45.42	6/15/1999	9:49	0.3	25.3	7	237
1999	1	139	4	4	16	42	34.31	73	45.21	6/15/1999	9:01	0.3	25.2	6.8	236
1999	1	139	4	4	18	42	34.14	73	45.24	6/15/1999	9:15	0.3	25.1	6.7	237
1999	1	139	4	4	19	42	34.03	73	45.26	6/15/1999	9:27	0.3	25.2	6.7	236
1999	1	139	6	4	14	42	34.34	73	45.02	6/15/1999	8:31	0.3	24.5	6.5	232
1999	1	139	6	4	17	42	34.22	73	45.02	6/15/1999	8:51	0.3	24.7	6.5	233
1999	2	19	6	2	259	40	57.735	73	53.561	6/28/1999	13:22	0.3	25.9	8.3	18190
1999	2	21	6	2	257	40	59.13	73	53.13	6/28/1999	13:39	0.3	26.7	9.1	16548
1999	2	23	6	2	254	41	1.086	73	52.681	6/28/1999	14:00	0.3	27	8.8	16161
1999	2	25	4	2	250	41	2.86	73	55.07	6/28/1999	12:28	0.3	26.9	8.4	13319
1999	2	25	4	2	270	41	2.783	73	55.05	6/28/1999	12:47	0.3	26.8	7.7	13154
1999	2	26	4	2	246	41	3.6	73	55.2	6/28/1999	11:50	0.3	27.3	8	12451
1999	2	26	4	2	271	41	3.77	73	55.22	6/28/1999	11:41	0.3	27.7	7	12539
1999	2	26	4	2	283	41	8.34	73	54.4	6/28/1999	12:08	0.3	27.2	7.4	12857
1999	2	27	4	2	245	41	4.19	73	55.21	6/28/1999	11:27	0.3	27.7	8.5	12161
1999	2	27	4	2	272	41	4.49	73	55.14	6/28/1999	11:07	0.3	26.9	7	12265

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1999	2	29	4	2	242	41	6.1	73	54.88	6/28/1999	10:43	0.3	26.1	6.8	12467
1999	2	30	4	2	241	41	7.14	73	54.77	6/28/1999	10:22	0.3	26.2	7.4	11664
1999	2	32	4	2	239	41	8.81	73	54.6	6/28/1999	9:41	0.3	26.8	7.8	10274
1999	2	32	4	2	240	41	8.48	73	54.42	6/28/1999	10:02	0.3	26.4	7.6	10842
1999	2	35	6	4	275	41	11.31	73	53.54	6/28/1999	14:49	0.3	29.5	13.2	9090
1999	2	36	4	2	227	41	11.02	73	57.41	6/28/1999	9:21	0.3	26.8	8.2	9313
1999	2	36	4	2	281	41	11.13	73	57.16	6/28/1999	9:06	0.3	26.7	7.9	9429
1999	2	36	4	2	282	41	11.2	73	57.17	6/28/1999	8:56	0.3	26.7	7.9	9429
1999	2	38	4	2	222	41	12.979	73	57.867	6/28/1999	8:33	0.3	26.3	7.9	8245
1999	2	38	4	2	278	41	12.96	73	57.828	6/28/1999	8:12	0.3	26.3	7.7	8245
1999	2	38	4	2	279	41	13.36	73	57.82	6/28/1999	8:22	0.3	26.3	7.7	8245
1999	2	39	4	4	215	41	13.62	73	58.34	6/28/1999	15:16	0.3	27.9	9.2	8356
1999	2	40	6	4	211	41	14.88	73	57.6	6/28/1999	15:43	0.3	27.5	10	8046
1999	2	43	6	4	204	41	16.693	73	56.484	6/28/1999	16:04	0.3	27.4	8.3	5786
1999	2	49	4	4	196	41	21.16	73	57.74	6/28/1999	16:31	0.3	25.2	6.1	4583
1999	2	52	6	4	193	41	24.12	73	57.31	6/28/1999	17:05	0.3	26.2	6.6	3198
1999	2	52	6	4	194	41	24.12	73	56.81	6/28/1999	16:55	0.3	26.2	6.6	3198
1999	2	58	4	4	184	41	27.78	74	0.7	6/30/1999	19:27	0.3	25	6.5	209
1999	2	59	6	4	180	41	29.08	73	59.37	6/30/1999	19:13	0.3	25.2	6	209
1999	2	60	6	4	176	41	29.57	73	59.06	6/30/1999	19:03	0.3	25.2	6	209
1999	2	63	4	4	166					6/30/1999	18:46	0.3	25.2	5.7	208
1999	2	65	4	4	162	41	33.99	73	58.39	6/30/1999	18:30	0.3	25.1	5.7	210
1999	2	69	4	4	155	41	37.44	73	57.43	6/30/1999	17:58	0.3	25	7.5	211
1999	2	69	6	4	157	41	36.97	73	56.85	6/30/1999	18:15	0.3	25	5	211
1999	2	71	4	4	153	41	39.06	73	57.257	6/30/1999	17:43	0.3	24.8	5.2	218
1999	2	72	4	4	151	41	40.04	73	57.11	6/30/1999	17:23	0.3	25.6	6.4	212
1999	2	74	6	4	149	41	41.064	73	56.289	6/30/1999	17:05	0.3	24.5	6.4	211
1999	2	76	4	4	144					6/30/1999	16:42	0.3	24.5	5	213
1999	2	77	6	4	140	41	44.56	73	56.17	6/30/1999	16:21	0.3	23.8	6	216
1999	2	77	6	4	141	41	44.46	73	56.21	6/30/1999	16:30	0.3	24	5.9	216
1999	2	80	5	4	137	41	46.14	73	56.82	6/30/1999	15:44	0.3	24.9	4.5	212
1999	2	81	6	4	135	41	47.474	73	57.457	6/30/1999	15:27	0.3	25.8	4.5	206
1999	2	83	4	2	131	41	49.33	73	57.31	6/30/1999	14:51	0.3	26.2	6.1	200
1999	2	83	6	2	133	41	48.74	73	57.19	6/30/1999	15:11	0.3	25.2	5.4	208
1999	2	85	4	2	128					6/30/1999	14:21	0.3	26.1	7.8	203
1999	2	85	6	2	127	41	51.18	73	56.5	6/30/1999	14:05	0.3	25.6	7.1	207
1999	2	86	6	2	125	41	51.75	73	55.89	6/30/1999	13:52	0.3	25.2	6.4	203
1999	2	88	6	2	122	41	53.023	73	56.214	6/30/1999	13:32	0.3	26.5	9.9	195
1999	2	89	6	2	121	41	53.84	73	57.04	6/30/1999	13:16	0.3	25.2	10.2	207
1999	2	90	6	2	120	41	54.02	73	57.2	6/30/1999	13:02	0.3	25.2	10.2	207
1999	2	91	6	2	119	41	55.847	73	56.774	6/30/1999	11:48	0.3	25.2	14.6	200
1999	2	92	4	2	118	41	56.32	73	58.1	6/30/1999	11:18	0.3	26.9	10	190
1999	2	93	4	2	116	41	57.05	73	57.77	6/30/1999	11:03	0.3	25.5	12.2	202

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1999	2	93	6	2	117	41	57.036	73	56.721	6/30/1999	11:36	0.3	26.2	12.6	197
1999	2	94	4	4	113	41	58.38	73	57.25	6/30/1999	10:05	0.3	25.9	6.1	191
1999	2	94	4	4	115	41	57.78	73	57.47	6/30/1999	10:36	0.3	25.2	6.4	201
1999	2	95	4	4	111	41	59.083	73	57.079	6/30/1999	9:44	0.3	25.1	6	201
1999	2	96	4	4	105	42	0.22	73	56.65	6/30/1999	8:40	0.3	26	10.8	263
1999	2	96	4	4	108	41	59.76	73	56.81	6/30/1999	8:56	0.3	24.7	10	215
1999	2	96	4	4	110	41	59.4	73	56.94	6/30/1999	9:06	0.3	24.7	10	215
1999	2	96	6	4	107	41	59.89	73	55.93	6/30/1999	9:23	0.3	24.9	8.1	212
1999	2	97	4	4	102	42	0.83	73	56.38	6/30/1999	8:06	0.3	26.3	8.6	247
1999	2	97	4	4	103	42	0.5	73	56.51	6/30/1999	8:30	0.3	26	10.8	263
1999	2	98	4	4	100	42	1.67	73	56.54	6/30/1999	7:40	0.3	25.9	8	254
1999	2	98	4	4	101	42	1.426	73	56.456	6/30/1999	7:55	0.3	25.9	8	253
1999	2	99	6	4	99	42	2.02	73	55.73	6/30/1999	7:26	0.3	25.1	6.9	246
1999	2	105	4	4	97	42	7.68	73	55.13	6/30/1999	6:49	0.3	25.1	6	232
1999	2	105	4	4	98	42	7.33	73	55.3	6/30/1999	7:04	0.3	26	7	246
1999	2	106	4	4	96	42	8.147	73	54.796	6/30/1999	6:32	0.3	25.2	6.8	252
1999	2	112	4	4	88	42	12.69	73	51.26	6/29/1999	17:41	0.3	26.9	6.2	264
1999	2	113	4	2	86	42	13.12	73	51.33	6/29/1999	17:27	0.3	26.8	6	264
1999	2	114	4	2	82	42	14.31	73	50.58	6/29/1999	16:54	0.3	27.8	6.2	262
1999	2	114	4	4	83	42	14.26	73	50.71	6/29/1999	17:10	0.3	26.6	6.2	271
1999	2	115	6	2	80	42	14.8	73	49.1	6/29/1999	16:41	0.3	28.4	6.5	253
1999	2	116	6	2	77	42	15.02	73	48.31	6/29/1999	16:25	0.3	27.9	5.9	272
1999	2	117	4	2	76	42	15.84	73	47.69	6/29/1999	16:11	0.3	28.8	6.4	258
1999	2	119	6	2	69	42	17.29	73	46.78	6/29/1999	15:20	0.3	29	7	257
1999	2	119	6	2	71	42	17.16	73	46.8	6/29/1999	15:37	0.3	29	7	257
1999	2	119	6	2	72	42	16.82	73	47.28	6/29/1999	15:55	0.3	28.5	6.8	271
1999	2	121	4	2	65	42	19.307	73	47.217	6/29/1999	14:37	0.3	27	5.8	277
1999	2	121	4	2	68	42	18.53	73	47.1	6/29/1999	15:11	0.3	27.7	6.5	278
1999	2	121	6	2	66	42	19.33	73	46.85	6/29/1999	14:51	0.3	26.8	6.6	288
1999	2	121	6	2	67	42	18.82	73	46.89	6/29/1999	14:51	0.3	26.8	6.6	288
1999	2	122	4	2	61	42	20.29	73	47.24	6/29/1999	14:06	0.3	27.2	7.1	290
1999	2	122	4	2	63	42	19.84	73	47.18	6/29/1999	14:28	0.3	27	5.8	277
1999	2	123	4	2	59					6/29/1999	13:46	0.3	28	5.9	278
1999	2	124	6	2	56	42	21.49	73	47.29	6/29/1999	13:14	0.3	26.5	7.2	272
1999	2	124	6	2	57	42	21.28	73	47.32	6/29/1999	13:28	0.3	26.5	7.2	272
1999	2	128	6	4	43	42	25.02	73	46.62	6/29/1999	12:41	0.3	26.5	7.2	280
1999	2	130	6	4	36					6/29/1999	12:22	0.3	26.4	7.4	295
1999	2	131	6	4	34					6/29/1999	11:55	0.3	27.3	9	256
1999	2	132	6	4	31	42	28.65	73	47.09	6/29/1999	11:36	0.3	27	8.5	258
1999	2	133	4	4	29	42	29.09	73	47.273	6/29/1999	11:15	0.3	26.9	7.1	266
1999	2	138	4	4	20	42	33.5	73	45.35	6/29/1999	10:51	0.3	27.2	6.3	257
1999	2	140	4	4	12					6/29/1999	10:13	0.3	27	6.6	260
1999	2	140	4	4	13	42	34.59	73	45.25	6/29/1999	10:31	0.3	27	6.6	260

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1999	2	143	4	4	6	42	38.03	73	45.23	6/29/1999	9:28	0.3	26.1	6	256
1999	2	143	6	4	7	42	37.48	73	45.14	6/29/1999	9:49	0.3	26.8	6.1	286
1999	2	149	6	4	2	42	42	73	42.07	6/29/1999	9:04	0.3	26	5.6	233
1999	2	152	4	4	1	42	44.51	73	41.196	6/29/1999	8:47	0.3	26.1	6.1	243
1999	3	20	6	2	258	40	57.73	73	53.661	7/12/1999	10:25	0.3	25.1	6.7	16899
1999	3	22	6	2	256	40	59.97	73	53.05	7/12/1999	11:45	0.3	25.4	6.3	16796
1999	3	23	6	2	254	41	1.086	73	52.681	7/12/1999	12:01	0.3	25.3	6.5	15840
1999	3	24	6	4	252	41	2.057	73	52.505	7/12/1999	12:26	0.3	25.5	6.5	14296
1999	3	26	4	2	246	41	3.6	73	55.2	7/12/1999	10:48	0.3	25.5	7.5	12127
1999	3	26	4	2	271	41	3.77	73	55.22	7/12/1999	10:38	0.3	25.5	7.5	12127
1999	3	26	4	2	283	41	8.34	73	54.4	7/12/1999	11:02	0.3	26.2	8.1	11664
1999	3	28	6	4	243	41	5.683	73	52.214	7/12/1999	12:45	0.3	25.2	7.5	11904
1999	3	29	4	2	242	41	6.1	73	54.88	7/12/1999	10:13	0.3	25.5	7	11832
1999	3	30	4	2	241	41	7.14	73	54.77	7/12/1999	10:03	0.3	25.5	7	10846
1999	3	31	5	2	285	41	3.607	73	55.196	7/12/1999	9:48	0.3	25.6	7	13283
1999	3	32	4	2	240	41	8.48	73	54.42	7/12/1999	9:39	0.3	25.5	7	12818
1999	3	32	6	4	238	41	8.85	73	52.123	7/12/1999	13:07	0.3	26.1	7.8	8766
1999	3	33	6	4	236	41	9.79	73	52.202	7/12/1999	13:26	0.3	26.3	8.1	8730
1999	3	34	6	4	233	41	10.662	73	53.922	7/12/1999	13:45	0.3	26.2	9.1	7970
1999	3	35	6	4	274	41	11.17	73	53.71	7/12/1999	14:09	0.3	26.8	9.7	7729
1999	3	36	4	2	282	41	11.2	73	57.17	7/12/1999	9:19	0.3	26.3	6.9	6693
1999	3	38	4	2	222	41	12.979	73	57.867	7/12/1999	8:47	0.3	27.1	6.8	5249
1999	3	38	4	2	223	41	12.89	73	57.806	7/12/1999	9:05	0.3	27.2	6.9	5714
1999	3	38	4	2	278	41	12.96	73	57.828	7/12/1999	8:58	0.3	27.2	6.9	5286
1999	3	38	4	2	280	41	13.4	73	57.81	7/12/1999	8:37	0.3	27	6.8	5259
1999	3	40	5	4	211	41	14.88	73	57.6	7/12/1999	14:35	0.3	27.2	7.9	5905
1999	3	43	4	4	206	41	16.412	73	58.1	7/12/1999	14:57	0.3	27	7.9	4973
1999	3	43	6	4	203	41	16.91	73	56.26	7/12/1999	15:14	0.3	26.4	6.9	3001
1999	3	49	4	4	196	41	21.16	73	57.74	7/12/1999	15:53	0.3	25.9	6.4	1809
1999	3	52	6	4	193	41	24.12	73	57.31	7/12/1999	16:14	0.3	25.1	6.5	1093
1999	3	53	4	4	192	41	24.19	73	57.95	7/12/1999	16:33	0.3	25.2	6.6	893
1999	3	59	6	4	180	41	29.08	73	59.37	7/14/1999	19:00	0.3	25	7.5	498
1999	3	60	6	4	177	41	29.52	73	59.24	7/14/1999	18:15	0.3	25.1	7.6	487
1999	3	61	4	4	174	41	31.15	74	0.37	7/14/1999	17:58	0.3	25	7.1	329
1999	3	63	6	4	169	41	32.07	73	58.83	7/14/1999	17:45	0.3	25.5	7	271
1999	3	64	4	4	163	41	33.48	73	59.05	7/14/1999	17:24	0.3	25.5	7	269
1999	3	65	4	4	162	41	33.99	73	58.39	7/14/1999	17:19	0.3	25.1	7.3	268
1999	3	69	6	4	156	41	37.03	73	56.88	7/14/1999	16:50	0.3	25	7.5	259
1999	3	69	6	4	157	41	36.97	73	56.85	7/14/1999	16:43	0.3	25.1	7.6	253
1999	3	71	4	2	153	41	39.06	73	57.257	7/14/1999	16:20	0.3	25.9	8.5	235
1999	3	73	6	2	150	41	40.28	73	56.49	7/14/1999	15:55	0.3	25.2	7	238
1999	3	74	6	2	148	41	41.15	73	56.31	7/14/1999	15:40	0.3	25.8	7	235
1999	3	77	6	2	140	41	44.56	73	56.17	7/14/1999	14:50	0.3	25.3	7	199

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1999	3	77	6	2	141	41	44.46	73	56.21	7/14/1999	14:59	0.3	25.3	7	198
1999	3	77	6	2	143	41	43.83	73	56.16	7/14/1999	15:09	0.3	25.5	7	197
1999	3	80	6	2	137	41	46.14	73	56.82	7/14/1999	14:35	0.3	25.5	7	202
1999	3	81	4	2	135	41	47.474	73	57.457	7/14/1999	14:13	0.3	26.1	8.4	204
1999	3	83	4	2	131	41	49.33	73	57.31	7/14/1999	13:50	0.3	25.6	7.8	207
1999	3	84	4	2	129	41	50.61	73	57.28	7/14/1999	13:30	0.3	25	7.2	209
1999	3	85	6	2	127	41	51.18	73	56.5	7/14/1999	13:15	0.3	25.5	7.2	207
1999	3	86	6	2	125	41	51.75	73	55.89	7/14/1999	12:53	0.3	25.2	7.5	208
1999	3	88	6	2	122	41	53.023	73	56.214	7/14/1999	12:37	0.3	25.5	10	207
1999	3	89	6	2	121	41	53.84	73	57.04	7/14/1999	12:18	0.3	25.5	7.3	217
1999	3	90	6	2	120	41	54.02	73	57.2	7/14/1999	12:08	0.3	25.5	7.2	213
1999	3	91	6	2	119	41	55.847	73	56.774	7/14/1999	11:50	0.3	25.4	7.1	212
1999	3	92	4	4	118	41	56.32	73	58.1	7/14/1999	7:27	0.3	24.2	6.9	326
1999	3	93	4	4	116	41	57.05	73	57.77	7/14/1999	7:53	0.3	24.8	6.8	340
1999	3	93	6	2	117	41	57.036	73	56.721	7/14/1999	11:35	0.3	25.2	9.8	218
1999	3	94	4	4	113	41	58.38	73	57.25	7/14/1999	8:08	0.3	24.2	6.8	329
1999	3	94	6	4	114	41	58.085	73	56.467	7/14/1999	11:15	0.3	25.5	9.9	222
1999	3	95	4	4	111	41	59.083	73	57.079	7/14/1999	8:36	0.3	24.5	7.5	320
1999	3	95	6	4	112	41	58.238	73	56.123	7/14/1999	10:50	0.3	25.2	9.1	228
1999	3	96	4	4	105	42	0.22	73	56.65	7/14/1999	8:52	0.3	24.5	7.9	294
1999	3	96	4	4	110	41	59.4	73	56.94	7/14/1999	8:45	0.3	24.5	7.5	302
1999	3	96	6	4	109	41	59.43	73	56.012	7/14/1999	10:25	0.3	25	9.5	224
1999	3	97	4	4	102	42	0.83	73	56.38	7/14/1999	9:25	0.3	25	7.9	289
1999	3	97	4	4	103	42	0.5	73	56.51	7/14/1999	9:00	0.3	24.5	8	292
1999	3	98	4	4	100	42	1.67	73	56.54	7/14/1999	9:56	0.3	25	8	269
1999	3	98	4	4	101	42	1.426	73	56.456	7/14/1999	9:50	0.3	25	8	271
1999	3	99	6	4	99	42	2.02	73	55.73	7/13/1999	18:22	0.3	26.1	9	258
1999	3	105	4	4	97	42	7.68	73	55.13	7/13/1999	17:41	0.3	26	8.2	254
1999	3	105	4	4	98	42	7.33	73	55.3	7/13/1999	17:55	0.3	25.4	7.5	257
1999	3	106	4	4	96	42	8.147	73	54.796	7/13/1999	17:32	0.3	26.2	8.2	255
1999	3	109	6	4	93	42	9.91	73	52.81	7/13/1999	17:15	0.3	26.8	8	250
1999	3	114	4	2	82	42	14.31	73	50.58	7/13/1999	16:30	0.3	26.1	8.4	258
1999	3	114	4	2	83	42	14.26	73	50.71	7/13/1999	16:40	0.3	26.2	8.5	258
1999	3	114	6	4	85	42	13.54	73	50.75	7/13/1999	16:56	0.3	26.1	8.2	253
1999	3	115	6	2	80	42	14.8	73	49.1	7/13/1999	16:17	0.3	26	8	254
1999	3	116	6	2	77	42	15.02	73	48.31	7/13/1999	15:53	0.3	26.8	9.1	253
1999	3	117	4	2	76	42	15.84	73	47.69	7/13/1999	15:30	0.3	27	9.2	263
1999	3	118	4	2	75	42	16.12	73	47.49	7/13/1999	15:20	0.3	26.8	9.2	261
1999	3	119	6	2	71	42	17.16	73	46.8	7/13/1999	15:03	0.3	27	10	260
1999	3	121	4	2	65	42	19.307	73	47.217	7/13/1999	14:18	0.3	27.5	9.5	256
1999	3	121	4	2	68	42	18.53	73	47.1	7/13/1999	14:45	0.3	26.1	8.6	258
1999	3	121	6	2	67	42	18.82	73	46.89	7/13/1999	14:35	0.3	26.1	8.5	258
1999	3	122	4	2	61	42	20.29	73	47.24	7/13/1999	13:44	0.3	26.5	9.8	261

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1999	3	122	4	2	63	42	19.84	73	47.18	7/13/1999	14:03	0.3	27	9	253
1999	3	122	6	2	62	42	20.105	73	46.848	7/13/1999	13:53	0.3	26.7	9.7	255
1999	3	122	6	2	64	42	19.9	73	46.8	7/13/1999	14:10	0.3	27	9.6	268
1999	3	123	4	2	59					7/13/1999	13:21	0.3	27.5	9	241
1999	3	124	6	2	56	42	21.49	73	47.29	7/13/1999	13:01	0.3	27	9	239
1999	3	124	6	2	57	42	21.28	73	47.32	7/13/1999	13:11	0.3	27	9	239
1999	3	127	4	2	46	42	24.35	73	47.08	7/13/1999	12:35	0.3	26.9	8	235
1999	3	128	6	2	45					7/13/1999	12:25	0.3	27	8.1	230
1999	3	129	6	4	40	42	25.67	73	46.67	7/13/1999	12:13	0.3	26.5	7	261
1999	3	131	4	4	33	42	28.06	73	47.13	7/13/1999	11:49	0.3	25.9	7	147
1999	3	133	4	4	29	42	29.09	73	47.273	7/13/1999	11:35	0.3	26	7	254
1999	3	138	4	4	22	42	33.36	73	45.42	7/13/1999	10:55	0.3	25.1	7	234
1999	3	139	4	4	19	42	34.03	73	45.26	7/13/1999	10:40	0.3	25	6.8	234
1999	3	145	6	4	4	42	39.51	73	44.09	7/13/1999	9:47	0.3	24.6	7.6	241
1999	3	145	6	4	5	42	39.19	73	44.41	7/13/1999	10:06	0.3	24.6	7.8	241
1999	3	148	6	4	3	42	41.41	73	42.584	7/13/1999	9:37	0.3	24.5	7.8	242
1999	3	149	6	4	2	42	42	73	42.07	7/13/1999	9:10	0.3	24.6	7.6	281
1999	3	151	4	4	1	42	44.51	73	41.196	7/13/1999	8:41	0.3	24.6	7.6	281
1999	4	16	4	2	262	40	54.9	73	55.7	7/28/1999	10:09	0.3	26.1	9.5	16557
1999	4	19	6	2	259	40	57.735	73	53.561	7/28/1999	10:30	0.3	26.1	8.3	17531
1999	4	20	6	2	258	40	57.73	73	53.661	7/28/1999	10:49	0.3	26.8	7.1	16227
1999	4	21	6	2	257	40	59.13	73	53.13	7/28/1999	11:04	0.3	26.5	9.1	15360
1999	4	23	6	2	255	41	0.74	73	52.83	7/28/1999	11:18	0.3	26.8	9.2	14210
1999	4	24	6	2	252	41	2.057	73	52.505	7/28/1999	11:43	0.3	26.8	9.6	14402
1999	4	24	6	2	253	41	1.169	73	52.711	7/28/1999	11:33	0.3	26.8	9.6	14594
1999	4	25	6	2	251	41	2.46	73	52.42	7/28/1999	11:57	0.3	26.9	9.6	14277
1999	4	26	4	2	246	41	3.6	73	55.2	7/28/1999	9:12	0.3	27.5	7	13157
1999	4	26	4	2	250	41	2.86	73	55.07	7/28/1999	9:36	0.3	26.9	9.1	13319
1999	4	26	4	2	270	41	2.783	73	55.05	7/28/1999	9:46	0.3	26.9	8.9	13319
1999	4	26	4	2	271	41	3.77	73	55.22	7/28/1999	9:02	0.3	27.5	7	13157
1999	4	26	4	2	283	41	8.34	73	54.4	7/28/1999	9:21	0.3	27.5	7.1	12306
1999	4	26	6	2	247	41	3.891	73	52.077	7/28/1999	12:42	0.3	27	9.3	12909
1999	4	26	6	2	248	41	3.273	73	52.221	7/28/1999	12:26	0.3	26.2	9.7	13608
1999	4	26	6	2	249	41	2.67	73	52.3	7/28/1999	12:10	0.3	27.8	9.5	13078
1999	4	27	4	2	245	41	4.19	73	55.21	7/28/1999	8:53	0.3	27	7.2	11475
1999	4	27	4	2	272	41	4.49	73	55.14	7/28/1999	8:37	0.3	27	7.1	12431
1999	4	28	6	2	243	41	5.683	73	52.214	7/28/1999	13:06	0.3	26.7	9.1	12892
1999	4	28	6	2	244	41	5.33	73	52.33	7/28/1999	12:56	0.3	26.8	9.1	12866
1999	4	29	4	2	242	41	6.1	73	54.88	7/28/1999	8:24	0.3	26.5	7	12075
1999	4	30	4	2	241	41	7.14	73	54.77	7/28/1999	8:14	0.3	26.5	6.9	12075
1999	4	31	4	2	285	41	3.607	73	55.196	7/28/1999	7:54	0.3	25.1	7.5	11929
1999	4	32	4	4	239	41	8.81	73	54.6	7/28/1999	7:31	0.3	25	7.5	12153
1999	4	32	4	2	240	41	8.48	73	54.42	7/28/1999	7:54	0.3	25	7.5	10957

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1999	4	32	6	4	237	41	9.274	73	52.181	7/28/1999	13:43	0.3	27	9.6	11762
1999	4	32	6	4	238	41	8.85	73	52.123	7/28/1999	13:31	0.3	26.1	9.8	11687
1999	4	32	6	4	269	41	9.445	73	52.243	7/28/1999	13:50	0.3	27	9.6	11475
1999	4	33	6	4	236	41	9.79	73	52.202	7/28/1999	14:02	0.3	27	11	11475
1999	4	35	4	4	229	41	10.59	73	56.41	7/28/1999	15:51	0.3	28	9.1	10214
1999	4	35	4	4	230	41	10.59	73	56.39	7/28/1999	15:41	0.3	28.5	9.2	10203
1999	4	35	4	4	277	41	10.95	73	57.06	7/28/1999	16:00	0.3	29	9.5	9274
1999	4	35	6	4	231	41	11.23	73	53.69	7/28/1999	14:53	0.3	28.5	10.1	10945
1999	4	35	6	4	232	41	11.172	73	53.996	7/28/1999	14:20	0.3	28.5	10.1	11131
1999	4	35	6	4	274	41	11.17	73	53.71	7/28/1999	14:43	0.3	28.6	10	11108
1999	4	36	4	4	281	41	11.13	73	57.16	7/28/1999	16:17	0.3	29	9	9182
1999	4	36	4	4	282	41	11.2	73	57.17	7/28/1999	16:28	0.3	29.1	9	9347
1999	4	36	6	4	228	41	12.25	73	53.5	7/28/1999	15:22	0.3	28.1	11.1	10286
1999	4	36	6	4	276	41	12.17	73	53.51	7/28/1999	15:10	0.3	28	11	10307
1999	4	38	4	4	221	41	13.43	73	57.79	7/28/1999	17:03	0.3	29	8	9090
1999	4	38	4	4	222	41	12.979	73	57.867	7/28/1999	16:44	0.3	29	9	10101
1999	4	38	4	4	278	41	12.96	73	57.828	7/28/1999	16:54	0.3	29	9	10009
1999	4	38	4	4	279	41	13.36	73	57.82	7/28/1999	17:16	0.3	29	8.1	9090
1999	4	39	4	2	215	41	13.62	73	58.34	7/27/1999	19:23	0.3	28.5	7.5	8348
1999	4	42	6	4	207	41	15.3	73	57.8	7/28/1999	17:31	0.3	32.5	6.5	9411
1999	4	43	6	4	203	41	16.91	73	56.26	7/27/1999	18:03	0.3	29.2	9.1	5579
1999	4	43	6	4	205	41	16.413	73	56.551	7/27/1999	18:24	0.3	29	10.1	5601
1999	4	46	4	4	198	41	19.7	73	59	7/27/1999	17:44	0.3	28	7.2	5622
1999	4	49	4	4	196	41	21.16	73	57.74	7/27/1999	17:25	0.3	27.8	6.9	3999
1999	4	52	6	4	193	41	24.12	73	57.31	7/27/1999	17:00	0.3	28.1	6.8	4348
1999	4	52	6	4	194	41	24.12	73	56.81	7/27/1999	16:36	0.3	28	6.8	4310
1999	4	53	4	4	192	41	24.19	73	57.95	7/27/1999	16:26	0.3	27.8	6.9	3669
1999	4	54	6	4	190	41	24.961	73	57.702	7/27/1999	16:03	0.3	28.2	6.1	3546
1999	4	56	4	4	188	41	26.47	73	59.66	7/27/1999	15:35	0.3	28.1	7.5	2104
1999	4	58	6	4	182	41	28.2	73	59.12	7/27/1999	15:18	0.3	28	7.5	2061
1999	4	59	6	4	179	41	29.24	73	59.34	7/27/1999	14:44	0.3	28.2	6.8	1027
1999	4	59	6	4	180	41	29.08	73	59.37	7/27/1999	15:01	0.3	28.2	6.9	1027
1999	4	60	6	4	178	41	29.25	73	59.32	7/27/1999	14:31	0.3	27.8	6.6	1035
1999	4	61	4	2	174	41	31.15	74	0.37	7/27/1999	13:43	0.3	28.5	7.2	742
1999	4	65	4	2	162	41	33.99	73	58.39	7/27/1999	13:18	0.3	28	7.3	379
1999	4	69	4	2	155	41	37.44	73	57.43	7/27/1999	12:15	0.3	28.1	7.9	271
1999	4	69	6	2	157	41	36.97	73	56.85	7/27/1999	12:34	0.3	28.1	7.1	285
1999	4	71	4	2	154	41	38.88	73	57.23	7/27/1999	11:47	0.3	27.4	6.9	270
1999	4	72	4	2	151	41	40.04	73	57.11	7/27/1999	11:03	0.3	28.1	7.9	281
1999	4	77	6	2	142	41	43.92	73	56.14	7/27/1999	10:37	0.3	27.2	7.6	257
1999	4	81	4	2	135	41	47.474	73	57.457	7/27/1999	10:11	0.3	27.1	7.9	267
1999	4	82	4	2	134	41	48.51	73	57.22	7/27/1999	9:48	0.3	27.3	7.9	266
1999	4	83	6	2	132					7/27/1999	9:27	0.3	26.8	7.2	273

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1999	4	84	4	2	129	41	50.61	73	57.28	7/27/1999	9:09	0.3	27	8	282
1999	4	86	6	2	125	41	51.75	73	55.89	7/27/1999	8:48	0.3	26	8	283
1999	4	88	6	4	122	41	53.023	73	56.214	7/27/1999	8:33	0.3	27.1	7	282
1999	4	89	6	4	121	41	53.84	73	57.04	7/27/1999	8:10	0.3	27	7	282
1999	4	92	4	4	118	41	56.32	73	58.1	7/27/1999	7:22	0.3	25.9	7.8	288
1999	4	93	4	4	116	41	57.05	73	57.77	7/27/1999	7:50	0.3	26.5	6.9	285
1999	4	96	4	4	105	42	0.22	73	56.65	7/26/1999	18:05	0.3	28.1	10	267
1999	4	96	4	4	108	41	59.76	73	56.81	7/26/1999	18:40	0.3	27.6	8.2	269
1999	4	97	4	4	102	42	0.83	73	56.38	7/26/1999	17:28	0.3	27.4	7.9	266
1999	4	97	4	4	103	42	0.5	73	56.51	7/26/1999	17:44	0.3	27.5	9.2	265
1999	4	98	4	4	100	42	1.67	73	56.54	7/26/1999	16:50	0.3	27.5	8.1	275
1999	4	98	4	4	101	42	1.426	73	56.456	7/26/1999	17:07	0.3	27.5	8	275
1999	4	99	6	4	99	42	2.02	73	55.73	7/26/1999	16:39	0.3	28	9.1	267
1999	4	105	4	4	98	42	7.33	73	55.3	7/26/1999	16:20	0.3	27.5	8.5	270
1999	4	106	4	4	96	42	8.147	73	54.796	7/26/1999	15:46	0.3	28	8	262
1999	4	114	4	2	82	42	14.31	73	50.58	7/26/1999	15:05	0.3	27.6	8.5	293
1999	4	114	6	2	84	42	14.02	73	50.18	7/26/1999	15:15	0.3	28	8.1	267
1999	4	116	6	2	77	42	15.02	73	48.31	7/26/1999	14:20	0.3	28.8	9.8	277
1999	4	119	4	2	72	42	16.82	73	47.28	7/26/1999	13:54	0.3	28.5	7.9	278
1999	4	119	6	2	69	42	17.29	73	46.78	7/26/1999	13:20	0.3	28.8	7.9	272
1999	4	121	4	2	65	42	19.307	73	47.217	7/26/1999	12:36	0.3	28.3	8	261
1999	4	121	4	2	68	42	18.53	73	47.1	7/26/1999	12:56	0.3	28.8	8.2	286
1999	4	122	4	2	63	42	19.84	73	47.18	7/26/1999	12:26	0.3	27.8	7.9	263
1999	4	122	6	2	62	42	20.105	73	46.848	7/26/1999	12:10	0.3	28.2	8.1	271
1999	4	124	4	2	55	42	21.64	73	47.62	7/26/1999	11:52	0.3	28	8	262
1999	4	125	6	4	54	42	22.034	73	47.302	7/26/1999	11:40	0.3	28	8.2	265
1999	4	126	4	4	50	42	23.21	73	47.62	7/26/1999	11:19	0.3	27.4	7.3	266
1999	4	132	4	4	30					7/26/1999	10:29	0.3	27.6	7.5	246
1999	4	132	4	4	32	42	28.13	73	47.21	7/26/1999	10:52	0.3	27.4	7.4	251
1999	4	134	4	4	28	42	30.027	73	46.913	7/26/1999	10:12	0.3	27.5	7.5	246
1999	4	138	4	4	20	42	33.5	73	45.35	7/26/1999	8:49	0.3	27.4	7.3	247
1999	4	138	4	4	21	42	33.51	73	45.33	7/26/1999	9:32	0.3	27.5	7.3	246
1999	5	18	6	4	261	40	56.27	73	54.17	8/11/1999	13:58	0.3	25.2	8	26785
1999	5	19	6	4	259	40	57.735	73	53.561	8/11/1999	14:18	0.3	25.6	5.3	24697
1999	5	22	6	4	256	40	59.97	73	53.05	8/11/1999	14:40	0.3	26.1	6.4	24251
1999	5	23	6	4	254	41	1.086	73	52.681	8/11/1999	15:21	0.3	26.2	8.3	19148
1999	5	23	6	4	255	41	0.74	73	52.83	8/11/1999	15:06	0.3	26.4	8	19360
1999	5	24	6	4	252	41	2.057	73	52.505	8/11/1999	15:55	0.3	26.3	7.4	19109
1999	5	24	6	4	253	41	1.169	73	52.711	8/11/1999	15:43	0.3	26.1	7.4	19479
1999	5	25	4	2	250	41	2.86	73	55.07	8/11/1999	12:54	0.3	26.4	9.8	17327
1999	5	25	4	2	270	41	2.783	73	55.05	8/11/1999	13:19	0.3	25.6	9.8	17416
1999	5	25	6	4	251	41	2.46	73	52.42	8/11/1999	16:15	0.3	26.9	7	19164
1999	5	26	4	2	246	41	3.6	73	55.2	8/11/1999	12:33	0.3	26.4	9.7	16747

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1999	5	26	4	2	271	41	3.77	73	55.22	8/11/1999	12:23	0.3	26.2	9.8	16718
1999	5	26	4	2	283	41	8.34	73	54.4	8/11/1999	12:44	0.3	26.2	9.9	16815
1999	5	26	6	4	247	41	3.891	73	52.077	8/11/1999	16:51	0.3	26.9	8.9	17727
1999	5	26	6	4	248	41	3.273	73	52.221	8/11/1999	16:37	0.3	26.8	7.4	19011
1999	5	26	6	4	249	41	2.67	73	52.3	8/11/1999	16:23	0.3	26.7	7.1	19146
1999	5	27	4	2	245	41	4.19	73	55.21	8/11/1999	12:07	0.3	25.3	9.8	16830
1999	5	27	4	2	272	41	4.49	73	55.14	8/11/1999	11:45	0.3	25.4	9.1	16401
1999	5	28	6	4	243	41	5.683	73	52.214	8/11/1999	16:25	0.3	26	8.2	15615
1999	5	28	6	4	244	41	5.33	73	52.33	8/11/1999	16:15	0.3	26.1	8	15583
1999	5	29	4	2	242	41	6.1	73	54.88	8/11/1999	11:31	0.3	25.6	9.3	15940
1999	5	30	4	2	241	41	7.14	73	54.77	8/11/1999	11:12	0.3	26.5	7.7	15457
1999	5	31	4	2	285	41	3.607	73	55.196	8/11/1999	10:55	0.3	25.6	8.2	15251
1999	5	32	4	2	239	41	8.81	73	54.6	8/11/1999	10:24	0.3	26.4	7.8	13552
1999	5	32	4	2	240	41	8.48	73	54.42	8/11/1999	10:36	0.3	26.6	7.7	13786
1999	5	32	6	4	237	41	9.274	73	52.181	8/11/1999	18:54	0.3	26.5	7.8	13621
1999	5	32	6	4	238	41	8.85	73	52.123	8/11/1999	16:40	0.3	26.2	8.1	13705
1999	5	32	6	2	269	41	9.445	73	52.243	8/11/1999	19:03	0.3	26.4	7.9	13359
1999	5	33	6	2	236	41	9.79	73	52.202	8/11/1999	19:18	0.3	27.8	8	12984
1999	5	34	6	2	233	41	10.662	73	53.922	8/12/1999	11:02	0.3	27	8.6	13961
1999	5	34	6	2	234	41	10.19	73	53.93	8/12/1999	10:49	0.3	26.8	9.1	14210
1999	5	35	4	2	229	41	10.59	73	56.41	8/12/1999	10:12	0.3	27.5	7.7	12306
1999	5	35	4	2	230	41	10.59	73	56.39	8/12/1999	10:24	0.3	27.6	7.8	12470
1999	5	35	4	2	277	41	10.95	73	57.06	8/12/1999	9:57	0.3	27.7	7.6	12539
1999	5	35	6	2	231	41	11.23	73	53.69	8/12/1999	11:30	0.3	28	11.1	12556
1999	5	35	6	2	275	41	11.31	73	53.54	8/12/1999	11:45	0.3	28	10.6	12462
1999	5	36	4	2	227	41	11.02	73	57.41	8/12/1999	9:45	0.3	27.9	7.9	12300
1999	5	36	4	2	281	41	11.13	73	57.16	8/12/1999	9:35	0.3	28	7.8	12181
1999	5	36	4	2	282	41	11.2	73	57.17	8/12/1999	9:28	0.3	27.9	7.2	12112
1999	5	38	4	2	222	41	12.979	73	57.867	8/12/1999	8:57	0.3	27.7	7	11219
1999	5	38	4	2	223	41	12.89	73	57.806	8/12/1999	9:04	0.3	27.8	7.1	11290
1999	5	38	4	2	279	41	13.36	73	57.82	8/12/1999	8:44	0.3	27.8	7	10914
1999	5	38	4	2	280	41	13.4	73	57.81	8/12/1999	8:37	0.3	27.9	7.1	10892
1999	5	41	6	4	208	41	15.72	73	50.84	8/12/1999	8:16	0.3	29	6.4	9641
1999	5	43	6	2	204	41	16.693	73	56.484	8/11/1999	8:58	0.3	26.3	6.4	8439
1999	5	44	6	2	201	41	17.74	73	56.87	8/11/1999	8:33	0.3	27	6.2	8989
1999	5	46	4	4	198	41	19.7	73	59	8/11/1999	7:50	0.3	26.8	6	6433
1999	5	46	6	1	199	41	19.42	73	58.77	8/11/1999	8:11	0.3	27	6	6598
1999	5	49	4	4	196	41	21.16	73	57.74	8/10/1999	18:12	0.3	27	6.9	5642
1999	5	52	6	4	193	41	24.12	73	57.31	8/10/1999	17:25	0.3	26.8	6.9	3505
1999	5	52	6	4	194	41	24.12	73	56.81	8/10/1999	17:37	0.3	26.8	7	3553
1999	5	53	4	4	192	41	24.19	73	57.95	8/10/1999	17:12	0.3	26.8	6.8	3457
1999	5	55	6	4	189	41	25.66	73	58.14	8/10/1999	16:47	0.3	26.9	6.9	2300
1999	5	56	4	4	187	41	26.83	74	0.5	8/10/1999	16:18	0.3	27	7	1052

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1999	5	59	6	4	179	41	29.24	73	59.34	8/10/1999	15:58	0.3	26.7	7.1	837
1999	5	60	6	4	176	41	29.57	73	59.06	8/10/1999	15:14	0.3	26.9	7.1	834
1999	5	60	6	4	177	41	29.52	73	59.24	8/10/1999	15:23	0.3	27.1	7.3	840
1999	5	60	6	4	178	41	29.25	73	59.32	8/10/1999	15:44	0.3	26.7	7	827
1999	5	61	4	4	174	41	31.15	74	0.37	8/10/1999	14:44	0.3	26.9	7.2	565
1999	5	63	4	4	166					8/10/1999	14:17	0.3	27.1	7.1	465
1999	5	72	4	2	151	41	40.04	73	57.11	8/10/1999	13:20	0.3	26.1	7.2	264
1999	5	72	6	2	152	41	39.77	73	56.55	8/10/1999	13:46	0.3	27	7.1	250
1999	5	74	6	2	148	41	41.15	73	56.31	8/10/1999	12:46	0.3	26.7	7.2	252
1999	5	76	4	2	144					8/10/1999	12:27	0.3	26.7	7.2	251
1999	5	77	6	2	143	41	43.83	73	56.16	8/10/1999	11:50	0.3	26.1	7.1	262
1999	5	80	6	2	137	41	46.14	73	56.82	8/10/1999	11:25	0.3	26.1	7.4	260
1999	5	82	4	2	134	41	48.51	73	57.22	8/10/1999	10:53	0.3	26.2	7.3	205
1999	5	83	4	2	133	41	48.74	73	57.19	8/10/1999	10:17	0.3	25.8	7	206
1999	5	85	6	2	127	41	51.18	73	56.5	8/10/1999	9:56	0.3	25.5	6.8	212
1999	5	86	6	4	125	41	51.75	73	55.89	8/10/1999	9:30	0.3	24.1	7.2	232
1999	5	89	6	4	121	41	53.84	73	57.04	8/10/1999	8:59	0.3	25.3	7.1	223
1999	5	90	6	4	120	41	54.02	73	57.2	8/10/1999	8:50	0.3	25	7	220
1999	5	92	4	4	118	41	56.32	73	58.1	8/10/1999	7:03	0.3	21.6	6.1	290
1999	5	93	4	4	116	41	57.05	73	57.77	8/10/1999	7:30	0.3	25	6	226
1999	5	96	4	4	110	41	59.4	73	56.94	8/10/1999	7:52	0.3	22	6.9	256
1999	5	97	4	4	102	42	0.83	73	56.38	8/10/1999	8:15	0.3	24.6	6.9	231
1999	5	97	4	4	103	42	0.5	73	56.51	8/10/1999	8:03	0.3	23.1	6.8	238
1999	5	98	4	4	100	42	1.67	73	56.54	8/9/1999	17:21	0.3	26	9.1	263
1999	5	98	4	4	101	42	1.426	73	56.456	8/9/1999	17:35	0.3	26.3	8.7	264
1999	5	99	6	4	99	42	2.02	73	55.73	8/9/1999	17:00	0.3	26	9.3	263
1999	5	105	4	4	97	42	7.68	73	55.13	8/9/1999	16:05	0.3	27.1	9	248
1999	5	105	4	4	98	42	7.33	73	55.3	8/9/1999	16:24	0.3	26.6	9	229
1999	5	106	4	4	96	42	8.147	73	54.796	8/9/1999	15:45	0.3	27	7.2	267
1999	5	114	4	2	81	42	14.39	73	50.549	8/9/1999	14:59	0.3	26.8	7.2	243
1999	5	114	4	2	82	42	14.31	73	50.58	8/9/1999	15:15	0.3	27.1	7.5	260
1999	5	115	6	2	79	42	14.8	73	49	8/9/1999	14:25	0.3	26.7	7.5	253
1999	5	115	6	2	80	42	14.8	73	49.1	8/9/1999	14:38	0.3	27.1	7.9	258
1999	5	117	4	2	76	42	15.84	73	47.69	8/9/1999	14:07	0.3	27.1	6.6	243
1999	5	119	6	2	72	42	16.82	73	47.28	8/9/1999	13:53	0.3	27	6.5	238
1999	5	121	4	2	68	42	18.53	73	47.1	8/9/1999	13:27	0.3	26.7	7.4	239
1999	5	122	6	2	64	42	19.9	73	46.8	8/9/1999	12:59	0.3	26.8	7.5	228
1999	5	123	4	2	59					8/9/1999	12:38	0.3	27.2	7.3	229
1999	5	124	6	2	56	42	21.49	73	47.29	8/9/1999	12:15	0.3	21.1	7.5	284
1999	5	125	6	2	52	42	22.39	73	47.45	8/9/1999	11:46	0.3	26.3	7.9	253
1999	5	130	6	2	36					8/9/1999	11:13	0.3	27	6.9	258
1999	5	131	4	2	33	42	28.06	73	47.13	8/9/1999	10:51	0.3	27	7.1	249
1999	5	132	4	4	30					8/9/1999	10:14	0.3	27.2	6.8	256

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1999	5	134	4	4	27	42	30.17	73	46.88	8/9/1999	9:35	0.3	24.7	8	272
1999	5	139	4	4	19	42	34.03	73	45.26	8/9/1999	9:16	0.3	24.3	8.2	268
1999	5	140	4	4	10					8/9/1999	8:59	0.3	24.1	8.2	270
1999	6	18	4	4	260	40	56.889	73	55.1	8/23/1999	11:06	0.3	24.5	10.2	17511
1999	6	18	6	4	261	40	56.27	73	54.17	8/23/1999	11:20	0.3	24.3	9.9	17684
1999	6	20	6	4	258	40	57.73	73	53.661	8/23/1999	11:55	0.3	24.6	10	18881
1999	6	22	6	4	256	40	59.97	73	53.05	8/23/1999	12:15	0.3	24.5	9.4	17109
1999	6	23	6	4	255	41	0.74	73	52.83	8/23/1999	12:35	0.3	24.8	9.2	17904
1999	6	24	6	4	252	41	2.057	73	52.505	8/23/1999	13:05	0.3	25	10	17034
1999	6	24	6	4	253	41	1.169	73	52.711	8/23/1999	12:50	0.3	25	10.2	17034
1999	6	25	4	4	250	41	2.86	73	55.07	8/23/1999	10:31	0.3	23.2	9.1	14265
1999	6	25	4	4	270	41	2.783	73	55.05	8/23/1999	10:41	0.3	23.3	9	14236
1999	6	25	6	4	251	41	2.46	73	52.42	8/23/1999	13:18	0.3	25.6	10.5	15743
1999	6	26	4	4	246	41	3.6	73	55.2	8/23/1999	9:58	0.3	23.4	8.8	13486
1999	6	26	4	4	271	41	3.77	73	55.22	8/23/1999	9:50	0.3	23.2	8.9	13542
1999	6	26	4	4	283	41	8.34	73	54.4	8/23/1999	10:14	0.3	23	8.8	14117
1999	6	26	6	4	247	41	3.891	73	52.077	8/23/1999	14:00	0.3	25.5	10.5	15677
1999	6	26	6	4	248	41	3.273	73	52.221	8/23/1999	13:42	0.3	25.2	9.7	15972
1999	6	26	6	4	249	41	2.67	73	52.3	8/23/1999	13:30	0.3	25.2	9.5	15873
1999	6	27	4	4	245	41	4.19	73	55.21	8/23/1999	9:40	0.3	23.1	8.5	13466
1999	6	27	4	2	272	41	4.49	73	55.14	8/23/1999	9:20	0.3	23.2	7.4	13335
1999	6	28	6	4	243	41	5.683	73	52.214	8/23/1999	14:22	0.3	26.3	10	14550
1999	6	28	6	4	244	41	5.33	73	52.33	8/23/1999	14:12	0.3	26.4	10	14617
1999	6	29	4	2	242	41	6.1	73	54.88	8/23/1999	9:05	0.3	24	7.5	13422
1999	6	30	4	2	241	41	7.14	73	54.77	8/23/1999	8:57	0.3	24	7.5	13218
1999	6	31	4	2	285	41	3.607	73	55.196	8/23/1999	8:49	0.3	24	7.2	14235
1999	6	32	4	2	239	41	8.81	73	54.6	8/23/1999	8:00	0.3	24.8	7.2	15003
1999	6	32	4	2	240	41	8.48	73	54.42	8/23/1999	8:40	0.3	23.9	7.2	13755
1999	6	32	6	4	237	41	9.274	73	52.181	8/23/1999	14:52	0.3	27.2	8.6	13238
1999	6	32	6	4	238	41	8.85	73	52.123	8/23/1999	14:39	0.3	27	9	13388
1999	6	32	6	4	269	41	9.445	73	52.243	8/23/1999	15:07	0.3	27.1	8.9	13265
1999	6	33	6	4	236	41	9.79	73	52.202	8/23/1999	15:23	0.3	28	8.5	12650
1999	6	34	6	4	234	41	10.19	73	53.93	8/23/1999	15:46	0.3	27.2	10.2	13238
1999	6	35	6	4	231	41	11.23	73	53.69	8/23/1999	16:23	0.3	28	9	12181
1999	6	35	6	4	232	41	11.172	73	53.996	8/23/1999	16:02	0.3	26.5	9.8	12075
1999	6	35	6	4	275	41	11.31	73	53.54	8/23/1999	16:35	0.3	28	9.1	12088
1999	6	36	4	2	226	41	11.8	73	57.5	8/25/1999	18:00	0.3	27	9	13866
1999	6	36	4	2	281	41	11.13	73	57.16	8/25/1999	18:21	0.3	27	8.8	14344
1999	6	36	4	2	282	41	11.2	73	57.17	8/25/1999	18:09	0.3	27	9	14344
1999	6	36	6	2	228	41	12.25	73	53.5	8/23/1999	17:00	0.3	27.9	11.5	11267
1999	6	36	6	2	276	41	12.17	73	53.51	8/23/1999	16:50	0.3	27.9	12	11267
1999	6	37	4	2	224					8/25/1999	17:51	0.3	26.2	10	11761
1999	6	38	4	2	223	41	12.89	73	57.806	8/25/1999	17:32	0.3	26	9	13566

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1999	6	38	4	4	278	41	12.96	73	57.828	8/25/1999	17:20	0.3	26	8.9	13663
1999	6	38	4	4	279	41	13.36	73	57.82	8/25/1999	16:59	0.3	26	9.1	13663
1999	6	38	4	4	280	41	13.4	73	57.81	8/25/1999	16:40	0.3	26	9	13663
1999	6	39	4	4	215	41	13.62	73	58.34	8/25/1999	16:19	0.3	26.1	10.3	12661
1999	6	43	6	2	203	41	16.91	73	56.26	8/24/1999	15:18	0.3	26.8	11.5	19299
1999	6	43	6	4	205	41	16.413	73	56.551	8/25/1999	15:40	0.3	26.4	10.2	10842
1999	6	46	4	4	198	41	19.7	73	59	8/25/1999	14:28	0.3	26.1	8.3	10713
1999	6	46	6	4	199	41	19.42	73	58.77	8/25/1999	15:00	0.3	26	8	10833
1999	6	49	4	4	196	41	21.16	73	57.74	8/25/1999	14:10	0.3	25.5	8.1	9268
1999	6	51	6	4	195	41	22.87	73	50.61	8/25/1999	13:52	0.3	26	9	9271
1999	6	52	6	4	193	41	24.12	73	57.31	8/25/1999	13:35	0.3	26.1	7.5	7694
1999	6	52	6	4	194	41	24.12	73	56.81	8/25/1999	13:45	0.3	26	7.5	7710
1999	6	55	6	2	189	41	25.66	73	58.14	8/25/1999	13:24	0.3	25.8	8	7839
1999	6	58	6	2	182	41	28.2	73	59.12	8/25/1999	13:01	0.3	25.4	7.4	4940
1999	6	59	6	2	180	41	29.08	73	59.37	8/25/1999	12:28	0.3	24.9	7.5	3993
1999	6	59	6	2	181	41	29.04	73	59.33	8/25/1999	12:39	0.3	25	7.5	4084
1999	6	60	6	2	177	41	29.52	73	59.24	8/25/1999	12:09	0.3	24.9	7.5	3893
1999	6	60	6	2	178	41	29.25	73	59.32	8/25/1999	12:19	0.3	24.9	7.5	3993
1999	6	61	4	2	174	41	31.15	74	0.37	8/25/1999	11:44	0.3	26	7.1	2098
1999	6	69	4	2	155	41	37.44	73	57.43	8/25/1999	10:57	0.3	25.2	8	382
1999	6	69	4	2	157	41	36.97	73	56.85	8/25/1999	11:09	0.3	25	7.5	717
1999	6	74	4	2	147	41	41.29	73	56.8	8/25/1999	9:57	0.3	25.1	8	273
1999	6	74	6	2	149	41	41.064	73	56.289	8/25/1999	10:20	0.3	25	8	274
1999	6	76	4	2	146	41	42.94	73	56.87	8/25/1999	9:40	0.3	24.5	8	277
1999	6	77	6	2	142	41	43.92	73	56.14	8/25/1999	9:05	0.3	24	7	269
1999	6	77	6	2	143	41	43.83	73	56.16	8/25/1999	9:15	0.3	24	7	269
1999	6	80	6	4	137	41	46.14	73	56.82	8/25/1999	8:47	0.3	23	7	270
1999	6	83	4	4	131	41	49.33	73	57.31	8/25/1999	8:14	0.3	23.5	7	262
1999	6	84	4	4	129	41	50.61	73	57.28	8/25/1999	7:51	0.3	23	7.3	265
1999	6	86	6	4	125	41	51.75	73	55.89	8/25/1999	7:32	0.3	22.3	7.9	263
1999	6	89	6	4	121	41	53.84	73	57.04	8/25/1999	7:15	0.3	22.5	7	267
1999	6	90	6	4	120	41	54.02	73	57.2	8/25/1999	7:05	0.3	22.5	7	267
1999	6	92	4	4	118	41	56.32	73	58.1	8/24/1999	17:26	0.3	25.1	10	278
1999	6	93	4	4	116	41	57.05	73	57.77	8/24/1999	17:10	0.3	25.1	8	268
1999	6	94	4	4	113	41	58.38	73	57.25	8/24/1999	16:38	0.3	25.9	9	255
1999	6	94	5	4	115	41	57.78	73	57.47	8/24/1999	16:51	0.3	25.2	9.5	258
1999	6	95	4	4	111	41	59.083	73	57.079	8/24/1999	16:28	0.3	26	9.5	254
1999	6	96	4	4	105	42	0.22	73	56.65	8/24/1999	15:54	0.3	24.9	7.4	255
1999	6	96	4	4	110	41	59.4	73	56.94	8/24/1999	16:06	0.3	25	7.5	254
1999	6	97	4	4	103	42	0.5	73	56.51	8/24/1999	15:38	0.3	24.8	7.4	254
1999	6	98	4	2	100	42	1.67	73	56.54	8/24/1999	15:15	0.3	24.9	9	252
1999	6	98	4	2	101	42	1.426	73	56.456	8/24/1999	15:25	0.3	25	7.4	251
1999	6	99	6	2	99	42	2.02	73	55.73	8/24/1999	15:01	0.3	25.1	9.5	253

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1999	6	109	6	2	92	42	10.27	73	52.32	8/24/1999	14:30	0.3	25.1	7.4	253
1999	6	114	4	2	82	42	14.31	73	50.58	8/24/1999	13:39	0.3	25	7.4	259
1999	6	114	4	2	83	42	14.26	73	50.71	8/24/1999	13:49	0.3	24.9	7.4	260
1999	6	114	6	2	85	42	13.54	73	50.75	8/24/1999	13:58	0.3	25.2	9	258
1999	6	115	6	2	80	42	14.8	73	49.1	8/24/1999	13:21	0.3	24.9	7.4	255
1999	6	116	6	2	77	42	15.02	73	48.31	8/24/1999	12:50	0.3	25	7.3	264
1999	6	119	6	2	69	42	17.29	73	46.78	8/24/1999	12:04	0.3	24.5	7.6	267
1999	6	121	6	2	67	42	18.82	73	46.89	8/24/1999	11:46	0.3	24	7.1	269
1999	6	122	6	2	62	42	20.105	73	46.848	8/24/1999	11:24	0.3	24	7	269
1999	6	124	6	2	56	42	21.49	73	47.29	8/24/1999	11:08	0.3	24	8	269
1999	6	127	4	2	46	42	24.35	73	47.08	8/24/1999	10:46	0.3	24	7.4	269
1999	6	130	6	2	36					8/24/1999	10:16	0.3	24.5	9	267
1999	6	131	4	2	33	42	28.06	73	47.13	8/24/1999	9:27	0.3	23.2	7.5	274
1999	6	131	4	2	35	42	27.8	73	47.1	8/24/1999	9:48	0.3	23.5	7.3	283
1999	6	134	4	2	28	42	30.027	73	46.913	8/24/1999	9:09	0.3	23.8	6.5	265
1999	6	139	4	2	18	42	34.14	73	45.24	8/24/1999	8:15	0.3	22.2	7.1	285
1999	6	139	4	2	19	42	34.03	73	45.26	8/24/1999	8:25	0.3	22.1	7.1	286
1999	7	14	4	4	266	40	52.925	73	56.648	9/10/1999	7:40	0.3	24.8	6	24505
1999	7	15	4	4	263	40	54.252	73	55.961	9/10/1999	8:10	0.3	24.9	6.3	23956
1999	7	15	4	4	264	40	53.57	73	56.32	9/10/1999	7:50	0.3	24.9	6.1	24355
1999	7	20	6	2	258	40	57.73	73	53.661	9/10/1999	8:30	0.3	24.8	6.4	21304
1999	7	23	6	2	254	41	1.086	73	52.681	9/10/1999	8:41	0.3	24.8	6	21004
1999	7	24	6	2	252	41	2.057	73	52.505	9/10/1999	9:00	0.3	24.8	6.1	19804
1999	7	25	4	2	250	41	2.86	73	55.07	9/10/1999	10:49	0.3	25	6.3	17830
1999	7	25	4	2	270	41	2.783	73	55.05	9/10/1999	10:39	0.3	25.1	6.3	17993
1999	7	25	6	2	251	41	2.46	73	52.42	9/10/1999	9:21	0.3	25.1	6.1	18490
1999	7	26	4	2	246	41	3.6	73	55.2	9/10/1999	11:22	0.3	24.9	6.4	17168
1999	7	26	4	2	283	41	8.34	73	54.4	9/10/1999	11:05	0.3	25	6.3	17432
1999	7	26	6	2	247	41	3.891	73	52.077	9/10/1999	10:26	0.3	25	6.3	17930
1999	7	26	6	2	248	41	3.273	73	52.221	9/10/1999	10:05	0.3	25	6.2	17930
1999	7	26	6	2	249	41	2.67	73	52.3	9/10/1999	9:47	0.3	24.8	6.1	18304
1999	7	27	4	2	272	41	4.49	73	55.14	9/7/1999	8:45	0.3	23.5	6.8	17670
1999	7	27	4	2	245	41	4.19	73	55.21	9/10/1999	11:47	0.3	25.1	6	16700
1999	7	28	6	2	243	41	5.683	73	52.214	9/7/1999	9:22	0.3	23.5	6.8	18287
1999	7	28	6	2	243	41	5.683	73	52.214	9/10/1999	12:18	0.3	25.1	6.2	16402
1999	7	28	6	2	244	41	5.33	73	52.33	9/10/1999	11:58	0.3	25.1	6.1	16502
1999	7	29	4	2	242	41	6.1	73	54.88	9/7/1999	8:25	0.3	23.7	6.9	17188
1999	7	30	4	2	241	41	7.14	73	54.77	9/7/1999	7:59	0.3	23.4	7.1	17295
1999	7	31	4	2	285	41	3.607	73	55.196	9/7/1999	7:40	0.3	23.3	7.2	16505
1999	7	32	4	2	239	41	8.81	73	54.6	9/7/1999	7:08	0.3	23.7	6.8	15960
1999	7	32	4	2	240	41	8.48	73	54.42	9/7/1999	7:20	0.3	23.8	6.7	16030
1999	7	32	4	2	239	41	8.81	73	54.6	9/10/1999	13:36	0.3	25.6	6.4	15350
1999	7	32	6	2	237	41	9.274	73	52.181	9/10/1999	12:45	0.3	25.9	6	14571

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1999	7	32	6	2	238	41	8.85	73	52.123	9/10/1999	12:37	0.3	25.3	6.1	14751
1999	7	32	6	2	269	41	9.445	73	52.243	9/10/1999	13:01	0.3	25.3	6.7	14553
1999	7	33	6	2	236	41	9.79	73	52.202	9/10/1999	13:23	0.3	25.8	6.3	14601
1999	7	34	6	2	233	41	10.662	73	53.922	9/10/1999	14:12	0.3	25.8	7	14405
1999	7	34	6	2	234	41	10.19	73	53.93	9/10/1999	14:02	0.3	25.7	6.9	14631
1999	7	35	6	4	231	41	11.23	73	53.69	9/10/1999	14:40	0.3	26	7	13663
1999	7	35	6	2	232	41	11.172	73	53.996	9/10/1999	14:29	0.3	25.9	7	13789
1999	7	35	6	4	275	41	11.31	73	53.54	9/10/1999	14:52	0.3	26	6.8	14054
1999	7	36	4	4	226	41	11.8	73	57.5	9/9/1999	18:17	0.3	25.8	6.7	12935
1999	7	36	6	4	276	41	12.17	73	53.51	9/10/1999	15:05	0.3	25.9	6.9	13691
1999	7	37	4	4	224					9/9/1999	17:40	0.3	25.8	6.3	13033
1999	7	37	4	4	225	41	12.096	73	57.458	9/9/1999	17:58	0.3	25.9	6.8	13007
1999	7	38	4	4	221	41	13.43	73	57.79	9/9/1999	16:38	0.3	26.7	6.5	13181
1999	7	38	4	4	222	41	12.979	73	57.867	9/9/1999	17:17	0.3	25.9	6.3	12811
1999	7	38	4	4	223	41	12.89	73	57.806	9/9/1999	17:33	0.3	26	6.7	12882
1999	7	38	4	4	279	41	13.36	73	57.82	9/9/1999	17:07	0.3	26	6.4	12687
1999	7	38	4	4	280	41	13.4	73	57.81	9/9/1999	16:58	0.3	25.8	6.3	13131
1999	7	39	4	4	215	41	13.62	73	58.34	9/9/1999	16:23	0.3	26.1	6.8	13635
1999	7	41	6	4	208	41	15.72	73	50.84	9/9/1999	16:06	0.3	26.9	6.1	12744
1999	7	42	4	4	206	41	16.412	73	58.1	9/9/1999	15:54	0.3	25.9	6.1	12909
1999	7	43	6	4	205	41	16.413	73	56.551	9/9/1999	15:34	0.3	25.5	6.1	11141
1999	7	44	6	4	201	41	17.74	73	56.87	9/9/1999	15:20	0.3	26.1	6.2	9740
1999	7	49	4	2	196	41	21.16	73	57.74	9/9/1999	15:01	0.3	26	6.5	8686
1999	7	52	6	2	193	41	24.12	73	57.31	9/9/1999	14:32	0.3	25.9	6.3	7432
1999	7	52	6	2	194	41	24.12	73	56.81	9/9/1999	14:41	0.3	26	6.2	7515
1999	7	53	4	2	192	41	24.19	73	57.95	9/9/1999	14:16	0.3	25.6	6.3	7478
1999	7	53	6	2	191	41	24.882	73	57.554	9/9/1999	14:01	0.3	25.6	6.2	6986
1999	7	56	4	2	187	41	26.83	74	0.5	9/9/1999	13:23	0.3	26.1	6.8	4490
1999	7	57	4	2	185	41	27.68	74	0.73	9/9/1999	13:14	0.3	26.3	7	4462
1999	7	58	4	2	184	41	27.78	74	0.7	9/9/1999	12:54	0.3	25.3	6.8	4792
1999	7	59	6	2	178	41	29.25	73	59.32	9/9/1999	12:02	0.3	25.4	6.7	4634
1999	7	59	6	2	179	41	29.24	73	59.34	9/9/1999	12:10	0.3	25.4	6.8	4644
1999	7	59	6	2	180	41	29.08	73	59.37	9/9/1999	12:20	0.3	25.4	6.7	4545
1999	7	62	4	2	173	41	31.59	74	0.28	9/9/1999	11:45	0.3	26.1	6.2	2727
1999	7	63	4	2	166					9/9/1999	11:36	0.3	26	6.3	2655
1999	7	64	4	2	164	41	33.37	73	59.18	9/9/1999	11:11	0.3	25.2	6.9	1508
1999	7	69	4	2	155	41	37.44	73	57.43	9/9/1999	10:47	0.3	25.3	6.8	713
1999	7	69	6	2	158	41	36.94	73	56.81	9/9/1999	10:59	0.3	25.8	7	1401
1999	7	77	6	2	142	41	43.92	73	56.14	9/9/1999	10:09	0.3	24.1	6.7	328
1999	7	80	6	2	137	41	46.14	73	56.82	9/9/1999	9:42	0.3	24	6.3	288
1999	7	81	4	4	135	41	47.474	73	57.457	9/9/1999	9:21	0.3	23.9	6.3	283
1999	7	83	4	4	131	41	49.33	73	57.31	9/9/1999	8:45	0.3	23.6	6.4	285
1999	7	85	6	4	127	41	51.18	73	56.5	9/9/1999	8:27	0.3	23.9	6.4	277

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1999	7	86	6	4	125	41	51.75	73	55.89	9/9/1999	8:08	0.3	24	6.5	285
1999	7	87	4	4	123	41	52.616	73	57.292	9/9/1999	7:55	0.3	23.6	6.3	284
1999	7	89	6	4	121	41	53.84	73	57.04	9/9/1999	7:17	0.3	23.8	6.8	295
1999	7	90	6	4	120	41	54.02	73	57.2	9/9/1999	7:02	0.3	23.6	6.7	280
1999	7	91	6	4	119	41	55.847	73	56.774	9/8/1999	18:08	0.3	25	6.9	300
1999	7	96	4	4	105	42	0.22	73	56.65	9/8/1999	17:22	0.3	25.2	7.8	274
1999	7	96	4	4	108	41	59.76	73	56.81	9/8/1999	17:33	0.3	25	7.6	279
1999	7	96	4	4	110	41	59.4	73	56.94	9/8/1999	17:50	0.3	25.5	7.1	275
1999	7	97	4	4	103	42	0.5	73	56.51	9/8/1999	16:58	0.3	24.8	7.3	275
1999	7	98	4	4	100	42	1.67	73	56.54	9/8/1999	16:18	0.3	25.2	7.2	278
1999	7	98	4	4	101	42	1.426	73	56.456	9/8/1999	16:36	0.3	25.4	7.2	282
1999	7	99	6	2	99	42	2.02	73	55.73	9/8/1999	16:11	0.3	25.9	7.9	275
1999	7	105	4	2	97	42	7.68	73	55.13	9/8/1999	15:30	0.3	25.9	8.2	290
1999	7	105	4	2	98	42	7.33	73	55.3	9/8/1999	15:54	0.3	25.8	8.2	274
1999	7	114	4	2	82	42	14.31	73	50.58	9/8/1999	14:50	0.3	25.4	6.4	296
1999	7	115	6	2	80	42	14.8	73	49.1	9/8/1999	14:42	0.3	25.9	7	294
1999	7	116	6	2	77	42	15.02	73	48.31	9/8/1999	14:28	0.3	25.6	6.8	247
1999	7	118	4	2	73	42	16.76	73	47.67	9/8/1999	14:15	0.3	25.7	6.4	286
1999	7	119	6	2	69	42	17.29	73	46.78	9/8/1999	14:09	0.3	25.8	6.5	289
1999	7	121	6	2	66	42	19.33	73	46.85	9/8/1999	13:56	0.3	25.3	6.3	288
1999	7	122	6	2	62	42	20.105	73	46.848	9/8/1999	13:34	0.3	25.5	7.1	276
1999	7	123	4	2	59					9/8/1999	13:24	0.3	25.6	6.7	286
1999	7	124	4	2	55	42	21.64	73	47.62	9/8/1999	12:09	0.3	26	7.1	273
1999	7	124	6	2	56	42	21.49	73	47.29	9/8/1999	12:28	0.3	26.3	7.1	284
1999	7	125	6	2	54	42	22.034	73	47.302	9/8/1999	11:48	0.3	25.7	7.1	278
1999	7	129	6	2	42	-42	25.226	73	46.523	9/8/1999	11:23	0.3	25.7	6.9	258
1999	7	131	4	2	33	42	28.06	73	47.13	9/8/1999	10:55	0.3	25.2	6.9	271
1999	7	145	6	4	5	42	39.19	73	44.41	9/8/1999	9:58	0.3	25.2	7.6	273
1999	7	148	6	4	3	42	41.41	73	42.584	9/8/1999	9:35	0.3	25.3	6.7	248
1999	7	149	6	4	2	42	42	73	42.07	9/8/1999	9:03	0.3	25.1	6.2	236
1999	7	151	4	4	1	42	44.51	73	41.196	9/8/1999	8:40	0.3	24.6	6	269
1999	8	14	4	4	265					9/20/1999	13:26	0.3	23.8	8.7	9597
1999	8	15	4	4	264	40	53.57	73	56.32	9/20/1999	13:12	0.3	23.8	8.4	9291
1999	8	18	4	4	260	40	56.889	73	55.1	9/20/1999	12:47	0.3	22.8	7.8	8547
1999	8	19	6	4	259	40	57.735	73	53.561	9/20/1999	13:52	0.3	22.9	8.5	8321
1999	8	21	6	4	257	40	59.13	73	53.13	9/20/1999	14:13	0.3	22.9	8.3	8321
1999	8	24	6	2	252	41	2.057	73	52.505	9/20/1999	14:46	0.3	23.2	8.1	7133
1999	8	24	6	2	253	41	1.169	73	52.711	9/20/1999	14:34	0.3	23.2	8	7133
1999	8	25	4	4	250	41	2.86	73	55.07	9/20/1999	12:05	0.3	23.2	9.4	7133
1999	8	25	4	4	270	41	2.783	73	55.05	9/20/1999	12:16	0.3	23.2	9.5	7133
1999	8	25	6	2	251	41	2.46	73	52.42	9/20/1999	15:00	0.3	23.1	8.4	6733
1999	8	26	4	4	246	41	3.6	73	55.2	9/20/1999	11:40	0.3	23	8.8	6851
1999	8	26	4	4	271	41	3.77	73	55.22	9/20/1999	11:23	0.3	23	8.8	6747

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1999	8	26	4	4	283	41	8.34	73	54.4	9/20/1999	11:50	0.3	23	8.8	6955
1999	8	26	6	2	247	41	3.891	73	52.077	9/20/1999	15:26	0.3	22.8	8.2	6462
1999	8	26	6	2	248	41	3.273	73	52.221	9/20/1999	15:17	0.3	23.1	8.5	6630
1999	8	26	6	2	249	41	2.67	73	52.3	9/20/1999	15:09	0.3	23.1	8.4	6630
1999	8	27	4	4	245	41	4.19	73	55.21	9/20/1999	11:00	0.3	22.9	8.5	7073
1999	8	27	4	4	272	41	4.49	73	55.14	9/20/1999	10:35	0.3	22.8	7.7	6462
1999	8	28	6	2	243	41	5.683	73	52.214	9/20/1999	15:50	0.3	22.8	8.5	5316
1999	8	28	6	2	244	41	5.33	73	52.33	9/20/1999	15:43	0.3	22.8	8.5	5316
1999	8	29	4	4	242	41	6.1	73	54.88	9/20/1999	10:21	0.3	21	7.7	5411
1999	8	30	4	4	241	41	7.14	73	54.77	9/20/1999	10:01	0.3	20.8	7.8	4217
1999	8	31	4	4	285	41	3.607	73	55.196	9/20/1999	9:45	0.3	22.4	7.2	5024
1999	8	32	4	4	239	41	8.81	73	54.6	9/20/1999	9:13	0.3	22.2	7.2	4116
1999	8	32	4	4	240	41	8.48	73	54.42	9/20/1999	9:30	0.3	22.4	7.2	5024
1999	8	32	6	2	237	41	9.274	73	52.181	9/20/1999	16:20	0.3	23	9.1	4048
1999	8	32	6	2	238	41	8.85	73	52.123	9/20/1999	16:09	0.3	23	8.9	4048
1999	8	32	6	2	269	41	9.445	73	52.243	9/20/1999	16:30	0.3	23	9.8	4152
1999	8	33	6	2	236	41	9.79	73	52.202	9/20/1999	16:41	0.3	23	9.7	4152
1999	8	34	6	2	234	41	10.19	73	53.93	9/20/1999	17:17	0.3	22.3	9.1	2654
1999	8	34	6	2	235	41	10.632	73	52.59	9/20/1999	16:52	0.3	23	10.4	3488
1999	8	35	4	4	229	41	10.59	73	56.41	9/22/1999	19:50	0.3	17.9	8.7	1642
1999	8	35	4	4	277	41	10.95	73	57.06	9/22/1999	17:36	0.3	17.9	8.8	1561
1999	8	35	6	2	231	41	11.23	73	53.69	9/20/1999	17:41	0.3	22.8	8.3	3961
1999	8	35	6	2	274	41	11.17	73	53.71	9/20/1999	17:30	0.3	22.8	8.4	4378
1999	8	36	4	4	227	41	11.02	73	57.41	9/22/1999	17:29	0.3	18	8.7	1557
1999	8	36	4	4	281	41	11.13	73	57.16	9/22/1999	17:17	0.3	18.2	8.8	1596
1999	8	36	4	4	282	41	11.2	73	57.17	9/22/1999	17:09	0.3	18.2	8.7	1596
1999	8	38	4	4	221	41	13.43	73	57.79	9/22/1999	16:26	0.3	19.9	8.2	1385
1999	8	38	4	4	222	41	12.979	73	57.867	9/22/1999	16:44	0.3	18.5	8.2	1312
1999	8	38	4	4	223	41	12.89	73	57.806	9/22/1999	16:54	0.3	18.6	8.2	1332
1999	8	38	4	4	279	41	13.36	73	57.82	9/22/1999	16:33	0.3	20.1	8.2	1379
1999	8	38	4	4	280	41	13.4	73	57.81	9/22/1999	16:18	0.3	20	8.2	1382
1999	8	40	6	4	210	41	14.87	73	57.74	9/22/1999	16:09	0.3	20.8	8	674
1999	8	41	6	4	208	41	15.72	73	50.84	9/22/1999	16:03	0.3	21	8	660
1999	8	42	4	4	206	41	16.412	73	58.1	9/22/1999	15:49	0.3	20.8	7.8	641
1999	8	43	6	4	203	41	16.91	73	56.26	9/22/1999	15:32	0.3	19.5	8.6	693
1999	8	44	6	4	201	41	17.74	73	56.87	9/22/1999	15:11	0.3	20.2	7.8	572
1999	8	49	4	4	196	41	21.16	73	57.74	9/22/1999	14:49	0.3	20.8	7.8	327
1999	8	52	6	4	193	41	24.12	73	57.31	9/22/1999	14:27	0.3	20.9	8.2	305
1999	8	52	6	4	194	41	24.12	73	56.81	9/22/1999	14:36	0.3	20.9	8.2	305
1999	8	53	4	4	192	41	24.19	73	57.95	9/22/1999	14:17	0.3	20.2	8.7	374
1999	8	55	6	4	189	41	25.66	73	58.14	9/22/1999	14:02	0.3	20.5	8.1	297
1999	8	57	4	4	185	41	27.68	74	0.73	9/22/1999	13:41	0.3	19.1	9	292
1999	8	58	4	2	184	41	27.78	74	0.7	9/22/1999	13:30	0.3	19.1	9	291

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1999	8	59	6	2	179	41	29.24	73	59.34	9/22/1999	12:37	0.3	18.3	8.5	327
1999	8	59	6	2	180	41	29.08	73	59.37	9/22/1999	12:49	0.3	18.2	8.5	333
1999	8	59	6	2	181	41	29.04	73	59.33	9/22/1999	13:04	0.3	18.2	8.5	333
1999	8	61	4	2	174	41	31.15	74	0.37	9/22/1999	12:16	0.3	19.3	8.1	293
1999	8	62	4	2	171	41	32.19	73	59.91	9/22/1999	11:52	0.3	20.6	8.1	284
1999	8	63	4	2	173	41	31.59	74	0.28	9/22/1999	12:01	0.3	20.7	8.1	283
1999	8	64	4	2	164	41	33.37	73	59.18	9/22/1999	11:36	0.3	20.2	7.7	285
1999	8	74	6	2	148	41	41.15	73	56.31	9/22/1999	10:48	0.3	18.9	7.9	238
1999	8	76	4	2	144					9/22/1999	10:18	0.3	18.3	8	252
1999	8	77	6	2	141	41	44.46	73	56.21	9/22/1999	9:33	0.3	18.4	7.9	242
1999	8	77	6	2	143	41	43.83	73	56.16	9/22/1999	9:49	0.3	18.4	7.9	242
1999	8	78	6	2	138	41	45.18	73	56.22	9/22/1999	9:07	0.3	18	7.8	243
1999	8	84	4	4	129	41	50.61	73	57.28	9/22/1999	8:28	0.3	18	8	251
1999	8	85	5	4	127	41	51.18	73	56.5	9/22/1999	8:10	0.3	17.9	8.3	254
1999	8	86	6	4	125	41	51.75	73	55.89	9/22/1999	7:47	0.3	16.9	8.2	255
1999	8	90	6	4	120	41	54.02	73	57.2	9/22/1999	7:26	0.3	17.2	7.8	259
1999	8	92	5	4	118	41	56.32	73	58.1	9/21/1999	18:06	0.3	17.9	8	317
1999	8	93	4	4	116	41	57.05	73	57.77	9/21/1999	17:20	0.3	18.1	7.9	313
1999	8	93	6	4	117	41	57.036	73	56.721	9/21/1999	17:45	0.3	18.2	8.2	273
1999	8	96	4	4	105	42	0.22	73	56.65	9/21/1999	16:40	0.3	17.7	9	280
1999	8	96	4	4	108	41	59.76	73	56.81	9/21/1999	16:50	0.3	17.5	9	289
1999	8	96	4	4	110	41	59.4	73	56.94	9/21/1999	17:00	0.3	17.6	9	289
1999	8	97	4	4	102	42	0.83	73	56.38	9/21/1999	16:12	0.3	17.6	9.4	289
1999	8	97	4	4	103	42	0.5	73	56.51	9/21/1999	16:30	0.3	17.8	8.8	280
1999	8	98	4	4	101	42	1.426	73	56.456	9/21/1999	16:02	0.3	17.6	9.5	289
1999	8	99	6	4	99	42	2.02	73	55.73	9/21/1999	15:43	0.3	17.8	8.3	291
1999	8	105	4	4	97	42	7.68	73	55.13	9/21/1999	15:06	0.3	17.5	8.2	282
1999	8	105	4	4	98	42	7.33	73	55.3	9/21/1999	15:19	0.3	17.5	8.3	281
1999	8	115	6	4	79	42	14.8	73	49	9/21/1999	14:33	0.3	17.5	8.9	274
1999	8	116	6	4	77	42	15.02	73	48.31	9/21/1999	14:14	0.3	17.5	9.1	269
1999	8	117	4	2	76	42	15.84	73	47.69	9/21/1999	14:00	0.3	17.2	9.1	262
1999	8	118	4	2	75	42	16.12	73	47.49	9/21/1999	13:43	0.3	17.2	9.1	261
1999	8	119	6	2	71	42	17.16	73	46.8	9/21/1999	13:30	0.3	17.1	8.9	261
1999	8	121	6	2	66	42	19.33	73	46.85	9/21/1999	12:53	0.3	17.4	9.1	259
1999	8	121	6	2	67	42	18.82	73	46.89	9/21/1999	13:06	0.3	17.3	9.2	259
1999	8	123	6	2	62	42	20.105	73	46.848	9/21/1999	12:38	0.3	17.5	8.5	267
1999	8	124	4	2	55	42	21.64	73	47.62	9/21/1999	12:12	0.3	17.5	9.2	251
1999	8	124	6	2	56	42	21.49	73	47.29	9/21/1999	12:21	0.3	17.2	9.2	256
1999	8	125	6	2	52	42	22.39	73	47.45	9/21/1999	12:01	0.3	17.2	8.8	256
1999	8	139	6	2	17	42	34.22	73	45.02	9/21/1999	10:56	0.3	17.5	8.9	250
1999	8	142	6	2	8	42	36.82	73	45.4	9/21/1999	10:35	0.3	17.8	8.6	243
1999	8	143	4	2	6	42	38.03	73	45.23	9/21/1999	10:16	0.3	18.1	8.5	334
1999	8	148	6	4	3	42	41.41	73	42.584	9/21/1999	9:35	0.3	18	9.2	218

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1999	8	149	6	4	2	42	42	73	42.07	9/21/1999	9:15	0.3	18	9.2	254
1999	8	151	4	4	1	42	44.51	73	41.196	9/21/1999	8:47	0.3	18.2	8.8	221
1999	9	18	4	4	260	40	56.889	73	55.1	10/5/1999	10:41	0.3	16.8	8.8	7696
1999	9	19	6	4	259	40	57.735	73	53.561	10/5/1999	11:02	0.3	17.2	8.8	8216
1999	9	20	6	4	258	40	57.73	73	53.661	10/5/1999	11:26	0.3	17	8.9	9430
1999	9	23	6	4	254	41	1.086	73	52.681	10/5/1999	12:00	0.3	17.8	8.2	5793
1999	9	23	6	4	255	41	0.74	73	52.83	10/5/1999	11:47	0.3	17.9	8	6011
1999	9	24	6	4	252	41	2.057	73	52.505	10/5/1999	12:31	0.3	17.5	8.2	6880
1999	9	24	6	4	253	41	1.169	73	52.711	10/5/1999	12:18	0.3	17.6	8.1	6981
1999	9	25	4	4	250	41	2.86	73	55.07	10/5/1999	9:43	0.3	16.3	8.8	2993
1999	9	25	4	4	270	41	2.783	73	55.05	10/5/1999	9:55	0.3	16.7	8.8	3026
1999	9	25	6	4	251	41	2.46	73	52.42	10/5/1999	12:45	0.3	17.5	8.8	5947
1999	9	26	4	4	246	41	3.6	73	55.2	10/5/1999	9:24	0.3	16.2	8.8	2939
1999	9	26	4	4	271	41	3.77	73	55.22	10/5/1999	9:10	0.3	16.9	8.9	2599
1999	9	26	4	4	283	41	8.34	73	54.4	10/5/1999	9:33	0.3	16.3	8.8	2993
1999	9	26	6	4	247	41	3.891	73	52.077	10/5/1999	13:28	0.3	17.8	8	6719
1999	9	26	6	4	248	41	3.273	73	52.221	10/5/1999	13:15	0.3	17.1	8.8	5175
1999	9	26	6	4	249	41	2.67	73	52.3	10/5/1999	13:05	0.3	17.2	8.8	5282
1999	9	27	4	2	245	41	4.19	73	55.21	10/5/1999	8:40	0.3	16.9	8.9	2481
1999	9	27	4	2	272	41	4.49	73	55.14	10/5/1999	8:30	0.3	17.1	8.1	1882
1999	9	28	6	4	243	41	5.683	73	52.214	10/5/1999	13:56	0.3	17.5	8.3	4023
1999	9	28	6	4	244	41	5.33	73	52.33	10/5/1999	13:46	0.3	17.5	8.2	3965
1999	9	29	4	2	242	41	6.1	73	54.88	10/5/1999	8:14	0.3	17.4	8.2	1519
1999	9	30	4	2	241	41	7.14	73	54.77	10/5/1999	8:04	0.3	17.4	8.2	1519
1999	9	31	4	2	285	41	3.607	73	55.196	10/5/1999	7:46	0.3	17.6	8.2	826
1999	9	32	4	2	239	41	8.81	73	54.6	10/5/1999	7:15	0.3	17.5	8.2	793
1999	9	32	4	2	240	41	8.48	73	54.42	10/5/1999	7:36	0.3	17.4	8.2	818
1999	9	32	6	4	237	41	9.274	73	52.181	10/5/1999	14:25	0.3	17.5	8.8	1166
1999	9	32	6	4	238	41	8.85	73	52.123	10/5/1999	14:14	0.3	17.5	8.8	1213
1999	9	32	6	4	269	41	9.445	73	52.243	10/5/1999	14:42	0.3	17.7	8	1974
1999	9	33	6	4	236	41	9.79	73	52.202	10/5/1999	15:01	0.3	17.2	8.8	1056
1999	9	35	4	4	229	41	10.59	73	56.41	10/5/1999	16:40	0.3	17.1	8.2	518
1999	9	35	4	4	230	41	10.59	73	56.39	10/5/1999	16:30	0.3	17	8.1	507
1999	9	35	4	2	277	41	10.95	73	57.06	10/5/1999	16:55	0.3	16.9	8.2	449
1999	9	35	6	4	231	41	11.23	73	53.69	10/5/1999	15:35	0.3	17.5	8.4	1061
1999	9	35	6	4	274	41	11.17	73	53.71	10/5/1999	15:25	0.3	17.4	8.5	1063
1999	9	36	4	2	227	41	11.02	73	57.41	10/5/1999	17:03	0.3	17	8.2	472
1999	9	36	4	2	281	41	11.13	73	57.16	10/5/1999	17:16	0.3	16.8	8.8	450
1999	9	36	4	2	282	41	11.2	73	57.17	10/5/1999	17:22	0.3			
1999	9	36	6	4	228	41	12.25	73	53.5	10/5/1999	16:09	0.3	17.2	8.5	1092
1999	9	36	6	4	276	41	12.17	73	53.51	10/5/1999	15:54	0.3	17.1	8.5	1094
1999	9	38	4	2	222	41	12.979	73	57.867	10/5/1999	17:42	0.3	16.9	8.7	402
1999	9	38	4	2	278	41	12.96	73	57.828	10/5/1999	17:49	0.3	17	8.8	413

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1999	9	38	4	2	279	41	13.36	73	57.82	10/5/1999	17:55	0.3	16.8	8.8	414
1999	9	38	4	2	280	41	13.4	73	57.81	10/5/1999	18:03	0.3	16.8	8.8	403
1999	9	40	6	4	210	41	14.87	73	57.74	10/7/1999	17:22	0.3	15.9	8.9	290
1999	9	42	4	4	206	41	16.412	73	58.1	10/7/1999	17:40	0.3	16	8.3	482
1999	9	42	6	4	207	41	15.3	73	57.8	10/7/1999	17:06	0.3	16.5	8.6	298
1999	9	43	6	4	202	41	17.12	73	55.98	10/7/1999	16:41	0.3	16.9	8.5	526
1999	9	44	6	4	201	41	17.74	73	56.87	10/7/1999	16:19	0.3	16.8	8.6	272
1999	9	49	4	4	196	41	21.16	73	57.74	10/7/1999	15:57	0.3	16.5	7.9	249
1999	9	52	6	4	193	41	24.12	73	57.31	10/7/1999	15:18	0.3	16.3	8.5	251
1999	9	52	6	4	194	41	24.12	73	56.81	10/7/1999	15:34	0.3	16.9	8.5	260
1999	9	53	4	4	192	41	24.19	73	57.95	10/7/1999	15:03	0.3	17	8.5	265
1999	9	55	6	4	189	41	25.66	73	58.14	10/7/1999	14:45	0.3	17.1	8.5	235
1999	9	58	4	4	183	41	28.02	74	0.87	10/7/1999	14:06	0.3			
1999	9	58	4	4	184	41	27.78	74	0.7	10/7/1999	14:21	0.3	15.8	8.8	254
1999	9	58	6	4	182	41	28.2	73	59.12	10/7/1999	13:51	0.3	15.9	8.1	278
1999	9	59	6	4	181	41	29.04	73	59.33	10/7/1999	13:35	0.3	15.9	8.1	266
1999	9	60	6	4	177	41	29.52	73	59.24	10/7/1999	13:23	0.3	15.5	8.1	268
1999	9	61	4	4	174	41	31.15	74	0.37	10/7/1999	13:00	0.3	16.9	7.9	248
1999	9	63	4	2	166					10/7/1999	12:51	0.3	16	8.1	241
1999	9	64	4	2	164	41	33.37	73	59.18	10/7/1999	12:34	0.3	15.9	8.2	235
1999	9	69	6	2	158	41	36.94	73	56.81	10/7/1999	11:52	0.3	15.1	8.1	234
1999	9	72	6	2	152	41	39.77	73	56.55	10/7/1999	11:24	0.3	14.1	8.5	230
1999	9	73	6	2	150	41	40.28	73	56.49	10/7/1999	11:00	0.3	14	8.6	227
1999	9	77	6	2	140	41	44.56	73	56.17	10/7/1999	10:06	0.3	14.1	8.8	226
1999	9	77	6	2	143	41	43.83	73	56.16	10/7/1999	10:19	0.3	14	8.8	227
1999	9	78	6	2	138	41	45.18	73	56.22	10/7/1999	9:45	0.3	14	8.5	221
1999	9	82	4	2	134	41	48.51	73	57.22	10/7/1999	9:24	0.3	14.3	8.5	223
1999	9	84	6	2	130	41	50.19	73	56.63	10/7/1999	9:09	0.3	13	8.5	232
1999	9	86	6	2	125	41	51.75	73	55.89	10/7/1999	8:40	0.3	12.1	8.4	237
1999	9	87	4	2	123	41	52.616	73	57.292	10/7/1999	8:08	0.3	12.5	8.5	224
1999	9	89	6	2	121	41	53.84	73	57.04	10/7/1999	7:58	0.3	13.1	8.1	206
1999	9	90	6	2	120	41	54.02	73	57.2	10/7/1999	7:45	0.3	13	8.1	206
1999	9	93	4	4	116	41	57.05	73	57.77	10/6/1999	17:59	0.3	15.8	8.8	212
1999	9	96	4	4	108	41	59.76	73	56.81	10/6/1999	17:35	0.3	15.4	8.8	215
1999	9	96	4	4	110	41	59.4	73	56.94	10/6/1999	17:45	0.3	15.4	8.8	214
1999	9	97	4	4	102	42	0.83	73	56.38	10/6/1999	16:58	0.3	15.6	8.9	213
1999	9	97	4	4	103	42	0.5	73	56.51	10/6/1999	17:23	0.3	15.4	8.8	214
1999	9	98	4	4	100	42	1.67	73	56.54	10/6/1999	16:34	0.3	15.8	9	215
1999	9	98	4	4	101	42	1.426	73	56.456	10/6/1999	16:42	0.3	15.8	9	212
1999	9	99	6	4	99	42	2.02	73	55.73	10/6/1999	16:09	0.3	15.8	8.8	218
1999	9	105	4	4	98	42	7.33	73	55.3	10/6/1999	15:46	0.3	15.4	8.5	220
1999	9	106	4	4	96	42	8.147	73	54.796	10/6/1999	15:33	0.3	15.4	8.5	219
1999	9	109	6	4	92	42	10.27	73	52.32	10/6/1999	15:11	0.3	15.2	8.5	227

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1999	9	110	6	4	91	42	10.9	73	51.53	10/6/1999	15:00	0.3	15.6	8.5	230
1999	9	114	4	2	81	42	14.39	73	50.549	10/6/1999	14:11	0.3	15.8	8.6	224
1999	9	114	6	2	85	42	13.54	73	50.75	10/6/1999	14:25	0.3	15.6	8.6	225
1999	9	115	6	2	80	42	14.8	73	49.1	10/6/1999	13:51	0.3	15.7	8.6	224
1999	9	116	6	2	77	42	15.02	73	48.31	10/6/1999	13:27	0.3	15.4	8	226
1999	9	117	4	2	76	42	15.84	73	47.69	10/6/1999	12:21	0.3	15	8.8	228
1999	9	121	4	2	68	42	18.53	73	47.1	10/6/1999	11:57	0.3	15	8.6	234
1999	9	121	6	2	66	42	19.33	73	46.85	10/6/1999	11:44	0.3	15.1	8.6	246
1999	9	122	4	2	61	42	20.29	73	47.24	10/6/1999	11:29	0.3	15.1	8.7	221
1999	9	125	4	2	51	42	22.87	73	47.8	10/6/1999	11:06	0.3	15.2	8.5	245
1999	9	128	6	2	43	42	25.02	73	46.62	10/6/1999	10:46	0.3	15	8.5	216
1999	9	129	6	2	39	42	25.879	73	46.76	10/6/1999	10:31	0.3	15	8.3	222
1999	9	133	4	4	29	42	29.09	73	47.273	10/6/1999	10:05	0.3	12	8.5	218
1999	9	134	4	4	27	42	30.17	73	46.88	10/6/1999	9:39	0.3	12.5	8.5	215
1999	9	138	4	4	21	42	33.51	73	45.33	10/6/1999	8:56	0.3	12.8	8.5	220
1999	9	138	4	4	23	42	33.14	73	45.46	10/6/1999	9:13	0.3	12.6	8.5	221
1999	10	14	4	4	265					10/21/1999	12:29	0.3	16.8	8	12432
1999	10	18	4	4	260	40	56.889	73	55.1	10/21/1999	12:06	0.3	16.5	8.3	10607
1999	10	18	6	4	261	40	56.27	73	54.17	10/21/1999	12:54	0.3	16.1	7.7	12143
1999	10	19	6	4	259	40	57.735	73	53.561	10/21/1999	13:14	0.3	15.9	7.9	12197
1999	10	20	6	4	258	40	57.73	73	53.661	10/21/1999	13:33	0.3	16.6	8	10821
1999	10	24	6	4	252	41	2.057	73	52.505	10/21/1999	14:14	0.3	17	8	7073
1999	10	24	6	4	253	41	1.169	73	52.711	10/21/1999	13:58	0.3	16.6	8.2	9275
1999	10	25	4	4	250	41	2.86	73	55.07	10/21/1999	11:07	0.3	15.4	8.3	5751
1999	10	25	4	4	270	41	2.783	73	55.05	10/21/1999	11:20	0.3	15.7	8.8	5725
1999	10	25	4	4	284	41	2.57	73	54.94	10/21/1999	11:33	0.3	15.5	8.2	5836
1999	10	25	6	4	251	41	2.46	73	52.42	10/21/1999	14:27	0.3	16.7	8.2	9492
1999	10	26	4	4	246	41	3.6	73	55.2	10/21/1999	10:47	0.3	15.5	8.2	5738
1999	10	26	4	4	271	41	3.77	73	55.22	10/21/1999	10:40	0.3	15.5	8.2	5738
1999	10	26	4	4	283	41	8.34	73	54.4	10/21/1999	10:56	0.3	15.3	8.3	5629
1999	10	26	6	4	247	41	3.891	73	52.077	10/21/1999	15:19	0.3	16	7.8	9399
1999	10	26	6	4	248	41	3.273	73	52.221	10/21/1999	15:04	0.3	16.1	8	8656
1999	10	26	6	4	249	41	2.67	73	52.3	10/21/1999	14:58	0.3	16.1	8	8777
1999	10	27	4	4	245	41	4.19	73	55.21	10/21/1999	10:28	0.3	15.8	8.6	5676
1999	10	27	4	4	272	41	4.49	73	55.14	10/21/1999	10:14	0.3	15.2	8.1	5213
1999	10	28	6	4	243	41	5.683	73	52.214	10/21/1999	15:40	0.3	16.1	7.9	7214
1999	10	28	6	4	244	41	5.33	73	52.33	10/21/1999	15:33	0.3	16.1	7.9	7214
1999	10	29	4	2	242	41	6.1	73	54.88	10/21/1999	9:55	0.3	15.7	8	5119
1999	10	30	4	2	241	41	7.14	73	54.77	10/21/1999	9:46	0.3	15.8	8	5095
1999	10	32	4	2	239	41	8.81	73	54.6	10/21/1999	9:08	0.3	15.4	7.4	5983
1999	10	32	4	2	285	41	3.607	73	55.196	10/21/1999	9:30	0.3	15.8	7.7	5930
1999	10	32	6	2	237	41	9.274	73	52.181	10/21/1999	16:06	0.3	17	8.1	5835
1999	10	32	6	2	238	41	8.85	73	52.123	10/21/1999	15:57	0.3	17.1	8.1	5881

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1999	10	32	6	2	269	41	9.445	73	52.243	10/21/1999	16:21	0.3	16.5	7.9	5363
1999	10	33	4	2	240	41	8.48	73	54.42	10/21/1999	9:21	0.3	15.3	8.2	5984
1999	10	34	6	2	235	41	10.632	73	52.59	10/21/1999	16:36	0.3	18.2	10.1	1746
1999	10	37	4	2	225	41	12.096	73	57.458	10/22/1999	7:54	0.3	15.1	7.7	6515
1999	10	38	4	4	223	41	12.89	73	57.806	10/18/1999	9:34	0.3	15.9	9.4	966
1999	10	38	4	2	221	41	13.43	73	57.79	10/20/1999	17:06	0.3	15.7	7.9	4985
1999	10	38	4	2	279	41	13.36	73	57.82	10/20/1999	17:39	0.3	15.1	7.7	5003
1999	10	38	4	2	280	41	13.4	73	57.81	10/20/1999	17:20	0.3	15.7	7.9	4985
1999	10	38	4	2	222	41	12.979	73	57.867	10/21/1999	7:52	0.3	15.9	7.9	6038
1999	10	38	4	2	278	41	12.96	73	57.828	10/21/1999	8:00	0.3	15.9	7.9	6038
1999	10	39	4	2	216	41	13.48	73	57.84	10/20/1999	16:45	0.3	16	7.5	5663
1999	10	40	6	4	213	41	14.64	73	57.15	10/20/1999	16:29	0.3	16.1	7.6	6011
1999	10	42	4	4	206	41	16.412	73	58.1	10/20/1999	16:08	0.3	15.6	7.4	4534
1999	10	43	6	4	203	41	16.91	73	56.26	10/20/1999	15:49	0.3	15.2	7.9	2343
1999	10	46	6	4	199	41	19.42	73	58.77	10/20/1999	15:25	0.3	15.5	7.4	3533
1999	10	49	4	4	196	41	21.16	73	57.74	10/20/1999	15:02	0.3	15.4	7.4	1111
1999	10	52	6	4	193	41	24.12	73	57.31	10/20/1999	14:36	0.3	15.1	7.8	996
1999	10	52	6	4	194	41	24.12	73	56.81	10/20/1999	14:46	0.3	15.1	7.8	996
1999	10	53	4	4	192	41	24.19	73	57.95	10/20/1999	14:19	0.3	15.3	7.9	508
1999	10	55	6	4	189	41	25.66	73	58.14	10/20/1999	13:57	0.3	15.1	7.6	313
1999	10	59	6	4	178	41	29.25	73	59.32	10/20/1999	13:18	0.3	13.8	8.9	303
1999	10	59	6	4	180	41	29.08	73	59.37	10/20/1999	13:23	0.3	13.8	8.9	303
1999	10	59	6	4	181	41	29.04	73	59.33	10/20/1999	13:33	0.3	13.8	8.9	303
1999	10	60	6	4	176	41	29.57	73	59.06	10/20/1999	12:58	0.3	14.2	8.7	282
1999	10	60	6	4	177	41	29.52	73	59.24	10/20/1999	13:05	0.3	14.2	8.7	282
1999	10	61	4	4	174	41	31.15	74	0.37	10/20/1999	12:38	0.3	14.9	7.9	272
1999	10	69	4	4	155	41	37.44	73	57.43	10/20/1999	11:48	0.3	14.2	8.2	250
1999	10	69	6	4	157	41	36.97	73	56.85	10/20/1999	12:02	0.3	14.9	8.1	258
1999	10	71	4	4	153	41	39.06	73	57.257	10/20/1999	11:32	0.3	14	8	258
1999	10	74	6	4	149	41	41.064	73	56.289	10/20/1999	11:15	0.3	14	8.7	262
1999	10	76	4	4	144					10/20/1999	10:58	0.3	13.7	8.7	260
1999	10	77	6	4	140	41	44.56	73	56.17	10/20/1999	10:30	0.3	13.7	8.7	255
1999	10	77	6	4	143	41	43.83	73	56.16	10/20/1999	10:38	0.3	13.7	8.7	255
1999	10	80	6	2	137	41	46.14	73	56.82	10/20/1999	9:56	0.3	14	8.1	253
1999	10	83	4	2	133	41	48.74	73	57.19	10/20/1999	9:30	0.3	13.2	8.2	257
1999	10	85	4	2	128					10/20/1999	9:08	0.3	13	9.3	258
1999	10	86	6	2	125	41	51.75	73	55.89	10/20/1999	8:48	0.3	12.4	9	261
1999	10	89	6	2	121	41	53.84	73	57.04	10/20/1999	8:25	0.3	12.4	8.1	264
1999	10	90	6	2	120	41	54.02	73	57.2	10/20/1999	8:14	0.3	12.4	8.1	264
1999	10	91	6	2	119	41	55.847	73	56.774	10/19/1999	16:52	0.3	13.1	6.8	264
1999	10	93	4	2	116	41	57.05	73	57.77	10/19/1999	16:36	0.3	14.5	9.2	277
1999	10	95	4	4	111	41	59.083	73	57.079	10/19/1999	16:20	0.3	13.8	8.2	251
1999	10	96	4	4	105	42	0.22	73	56.65	10/19/1999	16:01	0.3	14.1	9.7	263

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
1999	10	96	4	4	108	41	59.76	73	56.81	10/19/1999	16:13	0.3	13.8	8.2	251
1999	10	97	4	4	102	42	0.83	73	56.38	10/19/1999	15:37	0.3	13.5	9.7	259
1999	10	97	4	4	103	42	0.5	73	56.51	10/19/1999	15:52	0.3	14.1	9.7	263
1999	10	98	4	4	100	42	1.67	73	56.54	10/19/1999	15:14	0.3	13.5	9.7	256
1999	10	98	4	4	101	42	1.426	73	56.456	10/19/1999	15:23	0.3	13.5	9.7	256
1999	10	105	4	4	98	42	7.33	73	55.3	10/19/1999	14:52	0.3	13.8	9.9	251
1999	10	106	4	4	96	42	8.147	73	54.796	10/19/1999	14:38	0.3	13	9.9	262
1999	10	110	6	4	90	42	11.04	73	51.38	10/19/1999	13:50	0.3	13.7	9.6	255
1999	10	112	4	4	88	42	12.69	73	51.26	10/19/1999	13:35	0.3	13.8	9.7	254
1999	10	114	4	4	83	42	14.26	73	50.71	10/19/1999	13:05	0.3	13.4	9.2	254
1999	10	114	6	4	84	42	14.02	73	50.18	10/19/1999	13:19	0.3	11.9	8.6	262
1999	10	116	4	4	78					10/19/1999	12:45	0.3	13.4	8.7	257
1999	10	119	6	4	72	42	16.82	73	47.28	10/19/1999	12:32	0.3	13.2	8.8	257
1999	10	121	6	4	66	42	19.33	73	46.85	10/19/1999	12:15	0.3	13	8.7	258
1999	10	123	4	4	59					10/19/1999	11:52	0.3	12.9	8.6	264
1999	10	123	4	4	60	42	20.64	73	47.39	10/19/1999	12:00	0.3	12.9	8.6	264
1999	10	124	6	4	57	42	21.28	73	47.32	10/19/1999	11:39	0.3	12	8.7	239
1999	10	139	4	4	18	42	34.14	73	45.24	10/19/1999	10:57	0.3	13.3	9.7	245
1999	10	142	6	4	8	42	36.82	73	45.4	10/19/1999	10:35	0.3	12.3	9.6	248
1999	10	145	6	2	4	42	39.51	73	44.09	10/19/1999	9:14	0.3	12	9.6	227
1999	10	145	6	2	5	42	39.19	73	44.41	10/19/1999	9:08	0.3	12	9.6	228
1999	10	148	6	2	3	42	41.41	73	42.584	10/19/1999	9:26	0.3	12	9.5	227
1999	10	149	5	2	2	42	42	73	42.07	10/19/1999	9:40	0.3	12.1	9.8	230
1999	10	151	4	4	1	42	44.51	73	41.196	10/19/1999	10:00	0.3	12	9.6	265
2000	1	19	6	4	259	40	57.735	73	53.561	6/13/2000	13:35	0.3	18.5	7.8	2511
2000	1	21	6	4	257	40	59.13	73	53.13	6/13/2000	13:10	0.3	18.9	7.6	1980
2000	1	23	6	4	254	41	1.086	73	52.681	6/13/2000	13:00	0.3	18.9	7.7	1754
2000	1	25	4	4	270	41	2.783	73	55.05	6/13/2000	13:59	0.3	19.2	8.9	236
2000	1	25	6	4	251	41	2.46	73	52.42	6/13/2000	12:40	0.3	19	7.8	1298
2000	1	26	4	4	283	41	8.34	73	54.4	6/13/2000	14:14	0.3	18.8	7.8	295
2000	1	27	4	4	245	41	4.19	73	55.21	6/13/2000	14:25	0.3	19	8.9	251
2000	1	28	6	4	243	41	5.683	73	52.214	6/13/2000	12:21	0.3	19		322
2000	1	30	4	4	241	41	7.14	73	54.77	6/13/2000	14:48	0.3	19	8.8	277
2000	1	32	4	4	240	41	8.48	73	54.42	6/13/2000	15:05	0.3	18.8	8.3	244
2000	1	32	6	4	237	41	9.274	73	52.181	6/13/2000	11:46	0.3	20	7.8	254
2000	1	32	6	4	238	41	8.85	73	52.123	6/13/2000	12:02	0.3	19.8	7.7	244
2000	1	32	6	4	269	41	9.445	73	52.243	6/13/2000	11:30	0.3	19.2	7.8	247
2000	1	33	6	4	236	41	9.79	73	52.202	6/13/2000	11:17	0.3	19.8	7.9	277
2000	1	35	6	4	231	41	11.23	73	53.69	6/13/2000	10:40	0.3	19.8	7.6	228
2000	1	35	6	4	232	41	11.172	73	53.996	6/13/2000	10:58	0.3	19.8	7.6	239
2000	1	35	6	4	275	41	11.31	73	53.54	6/13/2000	10:25	0.3	19.9	7.6	233
2000	1	36	4	4	227	41	11.02	73	57.41	6/13/2000	15:25	0.3	18.3	7.5	223
2000	1	36	4	4	281	41	11.13	73	57.16	6/13/2000	15:38	0.3	18.8	8.3	281

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2000	1	38	4	4	278	41	12.96	73	57.828	6/13/2000	13:55	0.3	18.9	7.8	198
2000	1	38	4	4	279	41	13.36	73	57.82	6/13/2000	16:05	0.3	19	7.9	201
2000	1	39	4	4	215	41	13.62	73	58.34	6/13/2000	16:22	0.3	18	7.1	231
2000	1	40	6	4	211	41	14.88	73	57.6	6/13/2000	16:45	0.3	19	7.5	208
2000	1	43	6	2	204	41	16.693	73	56.484	6/13/2000	17:10	0.3	19	7.8	226
2000	1	52	6	4	194	41	24.12	73	56.81	6/15/2000	17:08	0.3	17.6	7.7	186
2000	1	53	4	4	192	41	24.19	73	57.95	6/15/2000	17:30	0.3	18.7	7	187
2000	1	55	6	4	189	41	25.66	73	58.14	6/15/2000	16:48	0.3	18.1	7.9	190
2000	1	58	6	4	182	41	28.2	73	59.12	6/15/2000	16:35	0.3	19.1	8.5	282
2000	1	59	6	4	180	41	29.08	73	59.37	6/15/2000	16:20	0.3	19	8.4	248
2000	1	61	4	4	174	41	31.15	74	0.37	6/15/2000	16:02	0.3	18.5	8	240
2000	1	63	6	4	168	41	32.3	73	58.633	6/15/2000	15:50	0.3	18.9	7.5	209
2000	1	64	6	4	165	41	32.66	73	58.52	6/15/2000	15:38	0.3	18.8	7.5	210
2000	1	65	4	4	162	41	33.99	73	58.39	6/15/2000	15:20	0.3	19	8.5	220
2000	1	69	4	4	155	41	37.44	73	57.43	6/15/2000	14:50	0.3	18.5	7.7	205
2000	1	69	6	4	157	41	36.97	73	56.85	6/15/2000	15:00	0.3	18	7.6	208
2000	1	72	4	2	151	41	40.04	73	57.11	6/15/2000	14:27	0.3	17.8	7.9	214
2000	1	74	6	2	149	41	41.064	73	56.289	6/15/2000	14:10	0.3	17.4	8.1	205
2000	1	76	6	2	145					6/15/2000	13:50	0.3	17.3	8	193
2000	1	77	6	2	140	41	44.56	73	56.17	6/15/2000	13:21	0.3	17.2	8	194
2000	1	77	6	2	141	41	44.46	73	56.21	6/15/2000	13:33	0.3	17.2	8.1	198
2000	1	80	6	2	137	41	46.14	73	56.82	6/15/2000	13:09	0.3	17.3	7.9	193
2000	1	81	4	2	135	41	47.474	73	57.457	6/15/2000	12:46	0.3	17.1	8.4	194
2000	1	83	4	2	131	41	49.33	73	57.31	6/15/2000	11:58	0.3	17.1	7.7	194
2000	1	83	4	2	133	41	48.74	73	57.19	6/15/2000	12:25	0.3	17.1	8.4	194
2000	1	84	4	2	129	41	50.61	73	57.28	6/15/2000	11:38	0.3	17	7.9	195
2000	1	85	6	2	127	41	51.18	73	56.5	6/15/2000	11:22	0.3	17.3	8	191
2000	1	86	4	2	126	41	51.44	73	56.97	6/15/2000	11:05	0.3	17.1	8.3	194
2000	1	86	6	2	125	41	51.75	73	55.89	6/15/2000	10:52	0.3	16.5	8.4	200
2000	1	88	6	2	122	41	53.023	73	56.214	6/15/2000	10:35	0.3	17	8.2	195
2000	1	89	6	2	121	41	53.84	73	57.04	6/15/2000	10:22	0.3	17.1	8.4	206
2000	1	90	6	2	120	41	54.02	73	57.2	6/15/2000	10:08	0.3	17.1	8.4	206
2000	1	92	4	2	118	41	56.32	73	58.1	6/15/2000	6:45	0.3	17	7.8	236
2000	1	93	4	4	116	41	57.05	73	57.77	6/15/2000	7:06	0.3	17	7.9	224
2000	1	93	6	2	117	41	57.036	73	56.721	6/15/2000	9:46	0.3	17.2	8.4	223
2000	1	94	4	4	113	41	58.38	73	57.25	6/15/2000	7:38	0.3	17.2	8.4	217
2000	1	94	4	4	115	41	57.78	73	57.47	6/15/2000	7:23	0.3	17	8.8	224
2000	1	94	6	2	114	41	58.085	73	56.467	6/15/2000	9:29	0.3	17.2	8.4	217
2000	1	95	4	4	111	41	59.083	73	57.079	6/15/2000	7:58	0.3	17.2	8.3	211
2000	1	95	6	2	112	41	58.238	73	56.123	6/15/2000	9:10	0.3	17.1	8.4	200
2000	1	96	4	2	105	42	0.22	73	56.65	6/15/2000	8:38	0.3	17.2	8.4	200
2000	1	96	4	2	108	41	59.76	73	56.81	6/15/2000	8:23	0.3	17.2	8.5	229
2000	1	96	4	2	110	41	59.4	73	56.94	6/15/2000	8:10	0.3	17.2	8.5	229

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	1	97	4	2	102	42	0.83	73	56.38	6/15/2000	8:55	0.3	17.1	8.6	200
2000	1	98	4	4	100	42	1.67	73	56.54	6/14/2000	17:33	0.3	17.5	8.4	192
2000	1	98	4	4	101	42	1.426	73	56.456	6/14/2000	17:45	0.3	17.6	8.4	192
2000	1	99	6	4	99	42	2.02	73	55.73	6/14/2000	17:16	0.3	17	9.2	189
2000	1	105	4	4	97	42	7.68	73	55.13	6/14/2000	16:20	0.3	17	8.5	183
2000	1	105	4	4	98	42	7.33	73	55.3	6/14/2000	16:49	0.3	17.2	8.4	217
2000	1	106	4	4	96	42	8.147	73	54.796	6/14/2000	16:25	0.3	17	8.5	177
2000	1	109	6	4	93	42	9.91	73	52.81	6/14/2000	16:15	0.3	17.5	8.4	198
2000	1	112	4	2	88	42	12.69	73	51.26	6/14/2000	15:52	0.3	17.5	8.4	210
2000	1	114	4	2	82	42	14.31	73	50.58	6/14/2000	15:21	0.3	17	8.9	212
2000	1	114	4	2	83	42	14.26	73	50.71	6/14/2000	15:37	0.3	17	9	212
2000	1	115	6	2	80	42	14.8	73	49.1	6/14/2000	15:10	0.3	17.1	8.5	199
2000	1	116	6	2	77	42	15.02	73	48.31	6/14/2000	14:55	0.3	17.5	8.2	198
2000	1	117	4	2	76	42	15.84	73	47.69	6/14/2000	14:45	0.3	17	8.4	890
2000	1	119	4	2	72	42	16.82	73	47.28	6/14/2000	14:29	0.3	17.6	8.4	209
2000	1	119	6	2	69	42	17.29	73	46.78	6/14/2000	14:00	0.3	17	8.4	206
2000	1	119	6	2	71	42	17.16	73	46.8	6/14/2000	14:13	0.3	17	8.5	200
2000	1	121	4	2	65	42	19.307	73	47.217	6/14/2000	13:02	0.3	17	8.5	212
2000	1	121	4	2	68	42	18.53	73	47.1	6/14/2000	13:42	0.3	17	8.4	206
2000	1	121	6	2	66	42	19.33	73	46.85	6/14/2000	13:13	0.3	17	8.4	195
2000	1	121	6	2	67	42	18.82	73	46.89	6/14/2000	13:28	0.3	17	8.4	200
2000	1	122	4	2	61	42	20.29	73	47.24	6/14/2000	12:26	0.3	16.9	9	201
2000	1	122	4	2	63	42	19.84	73	47.18	6/14/2000	12:50	0.3	16.8	8.3	213
2000	1	124	4	4	55	42	21.64	73	47.62	6/14/2000	11:57	0.3	16.8	9	195
2000	1	124	6	2	56	42	21.49	73	47.29	6/14/2000	12:09	0.3	16.8	8.9	201
2000	1	124	6	2	57	42	21.28	73	47.32	6/14/2000	12:20	0.3	17	8.6	206
2000	1	125	6	4	54	42	22.034	73	47.302	6/14/2000	11:49	0.3	16.8	9	195
2000	1	128	6	4	43	42	25.02	73	46.62	6/14/2000	11:28	0.3	16.3	8.9	221
2000	1	132	6	4	31	42	28.65	73	47.09	6/14/2000	11:05	0.3	16.2	9	222
2000	1	133	4	4	29	42	29.09	73	47.273	6/14/2000	10:45	0.3	16.3	9.2	221
2000	1	138	4	4	20	42	33.5	73	45.35	6/14/2000	10:23	0.3	16.1	9	222
2000	1	139	6	4	17	42	34.22	73	45.02	6/14/2000	10:14	0.3	16	9.2	229
2000	1	140	4	2	13	42	34.59	73	45.25	6/14/2000	10:00	0.3	16.8	8.9	213
2000	1	140	6	2	12					6/14/2000	9:50	0.3	16.8	8.9	219
2000	1	143	4	2	6	42	38.03	73	45.23	6/14/2000	9:14	0.3	16.9	8.9	248
2000	1	143	6	2	7	42	37.48	73	45.14	6/14/2000	9:32	0.3	16.6	8.9	202
2000	1	149	6	2	2	42	42	73	42.07	6/14/2000	8:45	0.3	16.7	9.1	196
2000	1	151	4	2	1	42	44.51	73	41.196	6/14/2000	8:10	0.3	16.5	9.3	191
2000	2	18	4	2	260	40	56.889	73	55.1	6/26/2000	13:03	0.3	25	8.3	4981
2000	2	20	6	2	258	40	57.73	73	53.661	6/26/2000	13:22	0.3	25.2	8.4	4861
2000	2	22	6	2	256	40	59.97	73	53.05	6/26/2000	13:42	0.3	24.9	8.5	3404
2000	2	25	4	4	250	41	2.86	73	55.07	6/26/2000	11:53	0.3	26.5	7.9	2367
2000	2	25	4	4	270	41	2.783	73	55.05	6/26/2000	12:06	0.3	26.8	9.2	2420

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	2	25	4	4	284	41	2.57	73	54.94	6/26/2000	12:19	0.3	27.2	8.4	2438
2000	2	26	4	4	246	41	3.6	73	55.2	6/26/2000	11:25	0.3	25.9	9.1	1966
2000	2	26	4	4	271	41	3.77	73	55.22	6/26/2000	11:15	0.3	25.9	9.1	1966
2000	2	26	4	4	283	41	8.34	73	54.4	6/26/2000	11:38	0.3	25.8	9.4	1764
2000	2	27	4	4	272	41	4.49	73	55.14	6/26/2000	11:00	0.3	25.2	9.4	1746
2000	2	29	4	4	242	41	6.1	73	54.88	6/26/2000	10:42	0.3	24.9	9.7	2386
2000	2	30	4	4	241	41	7.14	73	54.77	6/26/2000	10:31	0.3	23.9	9.5	2231
2000	2	31	4	4	285	41	3.607	73	55.196	6/26/2000	10:16	0.3	24	8.2	1637
2000	2	32	4	4	240	41	8.48	73	54.42	6/26/2000	10:08	0.3	24	8.2	1637
2000	2	35	4	4	277	41	10.95	73	57.06	6/26/2000	9:48	0.3	23.3	7.6	495
2000	2	36	4	4	282	41	11.2	73	57.17	6/26/2000	9:35	0.3	23	7.6	644
2000	2	37	4	4	225	41	12.096	73	57.458	6/26/2000	9:19	0.3	23.4	7.7	222
2000	2	38	4	4	222	41	12.979	73	57.867	6/26/2000	8:37	0.3	22.7	6.9	311
2000	2	38	4	4	223	41	12.89	73	57.806	6/26/2000	8:56	0.3	23	7.5	302
2000	2	38	4	4	278	41	12.96	73	57.828	6/26/2000	8:49	0.3	23	7.5	302
2000	2	38	4	4	280	41	13.4	73	57.81	6/26/2000	8:26	0.3	22.7	6.9	311
2000	2	40	6	2	211	41	14.88	73	57.6	6/26/2000	14:40	0.3	24.6	8.1	227
2000	2	42	4	2	206	41	16.412	73	58.1	6/26/2000	15:00	0.3	24.1	7.7	203
2000	2	43	6	2	203	41	16.91	73	56.26	6/26/2000	15:17	0.3	24.2	7.3	223
2000	2	49	4	2	196	41	21.16	73	57.74	6/26/2000	15:41	0.3	21.9	7.9	194
2000	2	51	6	2	195	41	22.87	73	50.61	6/26/2000	15:59	0.3	23.1	7.3	199
2000	2	53	4	2	192	41	24.19	73	57.95	6/26/2000	16:16	0.3	22.3	7.6	202
2000	2	57	4	2	185	41	27.68	74	0.73	6/26/2000	16:43	0.3	26	7.7	239
2000	2	57	4	4	186	41	27.28	74	0.8	6/26/2000	16:34	0.3	26	7.7	239
2000	2	58	4	4	183	41	28.02	74	0.87	6/26/2000	16:55	0.3	24.7	7.4	212
2000	2	62	4	4	171	41	32.19	73	59.91	6/28/2000	14:37	0.3	24.7		223
2000	2	63	6	4	169	41	32.07	73	58.83	6/28/2000	14:22	0.3	24.2	7.8	223
2000	2	64	4	4	163	41	33.48	73	59.05	6/28/2000	14:04	0.3	24.5	8.4	238
2000	2	65	4	4	162	41	33.99	73	58.39	6/28/2000	13:50	0.3	21.5	7.1	220
2000	2	69	6	4	156	41	37.03	73	56.88	6/28/2000	13:22	0.3	22.5	6.8	232
2000	2	69	6	4	157	41	36.97	73	56.85	6/28/2000	13:31	0.3	22.5	6.8	232
2000	2	73	6	4	150	41	40.28	73	56.49	6/28/2000	12:56	0.3	22.5	7.2	230
2000	2	76	6	4	145					6/28/2000	12:22	0.3	23.5		234
2000	2	77	6	4	140	41	44.56	73	56.17	6/28/2000	12:02	0.3	22	7.1	232
2000	2	77	6	4	141	41	44.46	73	56.21	6/28/2000	12:10	0.3	22	7.1	232
2000	2	80	6	4	137	41	46.14	73	56.82	6/28/2000	11:48	0.3	22.4	6.9	231
2000	2	82	4	4	134	41	48.51	73	57.22	6/28/2000	11:29	0.3	22.9	7.2	230
2000	2	83	4	4	131	41	49.33	73	57.31	6/28/2000	11:13	0.3	23	7.2	258
2000	2	84	4	4	129	41	50.61	73	57.28	6/28/2000	10:58	0.3	24.3	7.3	286
2000	2	85	4	2	128					6/28/2000	10:39	0.3	23.8	7.6	296
2000	2	85	6	2	127	41	51.18	73	56.5	6/28/2000	10:21	0.3	22.5	6.7	296
2000	2	86	4	2	124	41	51.95	73	56.84	6/28/2000	10:05	0.3	23	6.8	285
2000	2	86	6	2	125	41	51.75	73	55.89	6/28/2000	9:49	0.3	22.4	6.5	294

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	2	89	6	2	121	41	53.84	73	57.04	6/28/2000	9:32	0.3	22.5	7	299
2000	2	90	6	2	120	41	54.02	73	57.2	6/28/2000	9:23	0.3	22.5	7	299
2000	2	91	6	2	119	41	55.847	73	56.774	6/28/2000	9:05	0.3	22.5	6.7	327
2000	2	92	4	4	118	41	56.32	73	58.1	6/28/2000	6:57	0.3	21.6	6.7	258
2000	2	93	4	2	116	41	57.05	73	57.77	6/28/2000	7:12	0.3	22.1	6.8	242
2000	2	93	6	2	117	41	57.036	73	56.721	6/28/2000	8:49	0.3	21.6	6.3	293
2000	2	94	4	2	113	41	58.38	73	57.25	6/28/2000	7:35	0.3	21.2	6.8	239
2000	2	94	4	2	115	41	57.78	73	57.47	6/28/2000	7:25	0.3	21.2	6.9	238
2000	2	94	6	2	114	41	58.085	73	56.467	6/28/2000	8:35	0.3	21.9	6.8	308
2000	2	95	4	2	111	41	59.083	73	57.079	6/28/2000	7:50	0.3	22.5	6.8	243
2000	2	95	6	2	112	41	58.238	73	56.123	6/28/2000	8:21	0.3	22.1	6.8	287
2000	2	96	4	2	105	42	0.22	73	56.65	6/27/2000	18:53	0.3	23.1	6.7	229
2000	2	96	4	4	110	41	59.4	73	56.94	6/28/2000	8:02	0.3	22.5	6.8	240
2000	2	97	4	2	102	42	0.83	73	56.38	6/27/2000	18:33	0.3	22.1	7.6	236
2000	2	97	4	2	103	42	0.5	73	56.51	6/27/2000	18:45	0.3	23.1	6.7	231
2000	2	98	4	2	100	42	1.67	73	56.54	6/27/2000	18:11	0.3	22.6	7.2	231
2000	2	98	4	2	101	42	1.426	73	56.456	6/27/2000	18:19	0.3	22.5	7.2	232
2000	2	99	6	4	99	42	2.02	73	55.73	6/27/2000	17:54	0.3	23.8	6.8	239
2000	2	105	4	4	97	42	7.68	73	55.13	6/27/2000	17:18	0.3	23.9	7.7	241
2000	2	105	4	4	98	42	7.33	73	55.3	6/27/2000	17:30	0.3	23.2	6.7	239
2000	2	106	4	4	96	42	8.147	73	54.796	6/27/2000	17:04	0.3	23.3	6.6	247
2000	2	111	6	4	89					6/27/2000	16:43	0.3	23.8	7.5	254
2000	2	113	4	4	86	42	13.12	73	51.33	6/27/2000	16:25	0.3	23.2	7	256
2000	2	113	6	4	87	42	13.32	73	50.85	6/27/2000	16:09	0.3	23.2	6.9	253
2000	2	114	4	4	82	42	14.31	73	50.58	6/27/2000	15:19	0.3	23.1	7.3	256
2000	2	114	4	4	83	42	14.26	73	50.71	6/27/2000	15:36	0.3	23	6.3	250
2000	2	114	6	4	85	42	13.54	73	50.75	6/27/2000	15:51	0.3	23.2	6.4	257
2000	2	117	4	4	76	42	15.84	73	47.69	6/27/2000	14:56	0.3	23.8	7.5	250
2000	2	118	4	4	75	42	16.12	73	47.49	6/27/2000	14:45	0.3	23.8	7.5	250
2000	2	121	4	4	65	42	19.307	73	47.217	6/27/2000	13:50	0.3	22.8	6.9	262
2000	2	121	4	4	68	42	18.53	73	47.1	6/27/2000	14:21	0.3	23.1	7.1	265
2000	2	121	6	4	67	42	18.82	73	46.89	6/27/2000	14:05	0.3	22.8	6.8	255
2000	2	122	4	4	61	42	20.29	73	47.24	6/27/2000	12:55	0.3	22.8	6.8	262
2000	2	122	6	4	62	42	20.105	73	46.848	6/27/2000	13:07	0.3	22.5	7	244
2000	2	122	6	4	63	42	19.84	73	47.18	6/27/2000	13:24	0.3	22.8	6.8	260
2000	2	122	6	4	64	42	19.9	73	46.8	6/27/2000	13:37	0.3	22.5	7	243
2000	2	123	4	2	59					6/27/2000	12:42	0.3	23.3	7.1	258
2000	2	124	4	2	58					6/27/2000	12:32	0.3	23.1	7.3	259
2000	2	124	6	2	56	42	21.49	73	47.29	6/27/2000	12:14	0.3	23	7.2	269
2000	2	124	6	2	57	42	21.28	73	47.32	6/27/2000	12:21	0.3	23.2	7.2	268
2000	2	129	6	2	38	42	26.05	73	46.82	6/27/2000	11:36	0.3	23	6.9	262
2000	2	129	6	2	40	42	25.67	73	46.67	6/27/2000	11:46	0.3	23.2	6.8	246
2000	2	133	4	2	29	42	29.09	73	47.273	6/27/2000	11:14	0.3	23.1	6.7	260

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	2	137	6	2	24	42	32.262	73	45.288	6/27/2000	10:52	0.3	23.7	6.7	265
2000	2	138	4	2	22	42	33.36	73	45.42	6/27/2000	10:34	0.3	23.4	7.3	257
2000	2	139	4	2	19	42	34.03	73	45.26	6/27/2000	10:18	0.3	23.5	7	257
2000	2	142	6	2	8	42	36.82	73	45.4	6/27/2000	9:55	0.3	23.1	7.3	230
2000	2	143	4	2	6	42	38.03	73	45.23	6/27/2000	9:37	0.3	23.2	5.6	248
2000	2	145	6	4	4	42	39.51	73	44.09	6/27/2000	8:30	0.3	23.2	7.2	206
2000	2	145	6	2	5	42	39.19	73	44.41	6/27/2000	9:21	0.3	23	6.9	207
2000	2	148	6	4	3	42	41.41	73	42.584	6/27/2000	8:48	0.3	22.8	6.7	207
2000	2	149	6	4	2	42	42	73	42.07	6/27/2000	9:04	0.3	22.1	7.1	201
2000	3	14	4	4	266	40	52.925	73	56.648	7/10/2000	11:30	0.3	24.2	7	12151
2000	3	18	4	4	260	40	56.889	73	55.1	7/10/2000	11:06	0.3	25.9	7.2	10268
2000	3	23	6	4	254	41	1.086	73	52.681	7/10/2000	12:11	0.3	24.2	8.7	7392
2000	3	24	6	4	252	41	2.057	73	52.505	7/10/2000	12:29	0.3	24.6	8.5	7030
2000	3	25	4	4	270	41	2.783	73	55.05	7/10/2000	10:31	0.3	25.1	8.2	6263
2000	3	26	4	4	271	41	3.77	73	55.22	7/10/2000	10:08	0.3	25.1	7.3	5865
2000	3	26	4	4	283	41	8.34	73	54.4	7/10/2000	10:19	0.3	25	7.4	5877
2000	3	27	4	4	245	41	4.19	73	55.21	7/10/2000	9:54	0.3	24.2	7.5	5569
2000	3	27	4	4	272	41	4.49	73	55.14	7/10/2000	9:31	0.3	24	6.9	5897
2000	3	28	6	4	243	41	5.683	73	52.214	7/10/2000	13:00	0.3	24.9	8.2	4492
2000	3	28	6	4	244	41	5.33	73	52.33	7/10/2000	12:50	0.3	25	8.3	4483
2000	3	29	4	4	242	41	6.1	73	54.88	7/10/2000	9:19	0.3	23.9	6.7	5910
2000	3	30	4	4	241	41	7.14	73	54.77	7/10/2000	9:04	0.3	23.9	6.7	6011
2000	3	32	4	2	239	41	8.81	73	54.6	7/10/2000	8:48	0.3	23.9	7	2680
2000	3	35	4	2	230	41	10.59	73	56.39	7/10/2000	8:34	0.3	24.2	7	1640
2000	3	35	4	2	277	41	10.95	73	57.06	7/10/2000	8:25	0.3	23.9	7	1752
2000	3	35	6	4	231	41	11.23	73	53.69	7/10/2000	13:39	0.3	25.5	8	1755
2000	3	35	6	4	274	41	11.17	73	53.71	7/10/2000	13:29	0.3	26	8	1737
2000	3	36	4	2	227	41	11.02	73	57.41	7/10/2000	8:15	0.3	23.9	7	1752
2000	3	38	4	2	222	41	12.979	73	57.867	7/10/2000	7:59	0.3	24	7.2	1535
2000	3	38	4	2	280	41	13.4	73	57.81	7/10/2000	7:51	0.3	24	7.2	1535
2000	3	40	6	4	211	41	14.88	73	57.6	7/10/2000	14:00	0.3	26	7.5	1357
2000	3	43	6	4	205	41	16.413	73	56.551	7/10/2000	14:26	0.3	26.9	9.2	385
2000	3	46	6	2	199	41	19.42	73	58.77	7/10/2000	14:51	0.3	24.8	7.2	280
2000	3	49	4	2	196	41	21.16	73	57.74	7/10/2000	15:09	0.3	23.6	6.5	235
2000	3	52	6	2	193	41	24.12	73	57.31	7/10/2000	15:30	0.3	24	7	235
2000	3	55	6	2	189	41	25.66	73	58.14	7/10/2000	15:48	0.3	23.5	7.2	237
2000	3	56	4	4	187	41	26.83	74	0.5	7/12/2000	14:22	0.3	26.8	8.5	252
2000	3	56	4	4	188	41	26.47	73	59.66	7/12/2000	14:42	0.3	25.9	7.9	234
2000	3	59	6	4	178	41	29.25	73	59.32	7/12/2000	14:03	0.3	25.2	6.8	257
2000	3	62	6	4	170	41	31.8	73	58.98	7/12/2000	13:33	0.3	24.5	7.5	233
2000	3	64	4	4	164	41	33.37	73	59.18	7/12/2000	13:13	0.3	26	8	236
2000	3	66	4	2	160	41	34.777	73	57.753	7/12/2000	12:57	0.3	25.4	8	230
2000	3	69	6	2	156	41	37.03	73	56.88	7/12/2000	12:31	0.3	24.5	6.7	234

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	3	71	4	2	153	41	39.06	73	57.257	7/12/2000	12:07	0.3	24.8	7.3	233
2000	3	72	4	2	151	41	40.04	73	57.11	7/12/2000	11:52	0.3	24.5	7.8	242
2000	3	74	4	2	147	41	41.29	73	56.8	7/12/2000	11:37	0.3	24.8	7.5	235
2000	3	76	4	2	146	41	42.94	73	56.87	7/12/2000	11:19	0.3	24.9	7.5	249
2000	3	77	6	2	141	41	44.46	73	56.21	7/12/2000	10:43	0.3	23.8	6.7	235
2000	3	77	6	2	142	41	43.92	73	56.14	7/12/2000	10:54	0.3	23.8	6.7	235
2000	3	77	6	2	143	41	43.83	73	56.16	7/12/2000	11:02	0.3	23.8	6.5	240
2000	3	80	6	2	137	41	46.14	73	56.82	7/12/2000	10:31	0.3	24	6.6	242
2000	3	81	4	2	135	41	47.474	73	57.457	7/12/2000	10:18	0.3	24.9	7.6	245
2000	3	82	4	2	134	41	48.51	73	57.22	7/12/2000	10:02	0.3	23.8	6.9	248
2000	3	84	4	2	129	41	50.61	73	57.28	7/12/2000	9:45	0.3	24.2	7.5	248
2000	3	85	4	2	128					7/12/2000	9:27	0.3	23.5	7.4	247
2000	3	86	6	2	125	41	51.75	73	55.89	7/12/2000	9:11	0.3	22.9	6.9	250
2000	3	87	4	2	123	41	52.616	73	57.292	7/12/2000	8:55	0.3	22.2	7.6	252
2000	3	88	6	2	122	41	53.023	73	56.214	7/12/2000	8:38	0.3	22	6.8	252
2000	3	89	6	2	121	41	53.84	73	57.04	7/12/2000	8:25	0.3	23.1	6.7	250
2000	3	90	6	2	120	41	54.02	73	57.2	7/12/2000	8:14	0.3	23.1	6.7	249
2000	3	92	4	4	118	41	56.32	73	58.1	7/12/2000	6:38	0.3	22.1	6.7	271
2000	3	93	4	4	116	41	57.05	73	57.77	7/12/2000	6:56	0.3	22.1	6.9	265
2000	3	93	6	4	117	41	57.036	73	56.721	7/12/2000	7:13	0.3	22	7	254
2000	3	94	4	4	115	41	57.78	73	57.47	7/11/2000	17:55	0.3	24.5	8.2	257
2000	3	94	6	4	114	41	58.085	73	56.467	7/12/2000	7:36	0.3	22	6.7	253
2000	3	95	4	4	111	41	59.083	73	57.079	7/11/2000	17:38	0.3	24	7.4	249
2000	3	95	6	4	112	41	58.238	73	56.123	7/12/2000	7:52	0.3	22.8	7	250
2000	3	96	4	4	105	42	0.22	73	56.65	7/11/2000	17:05	0.3	25.2	8	252
2000	3	96	4	4	108	41	59.76	73	56.81	7/11/2000	17:15	0.3	25.1	7.9	251
2000	3	96	4	4	110	41	59.4	73	56.94	7/11/2000	17:25	0.3	25.1	8	250
2000	3	97	4	4	102	42	0.83	73	56.38	7/11/2000	16:42	0.3	24.1	7.2	253
2000	3	97	4	4	103	42	0.5	73	56.51	7/11/2000	16:54	0.3	25.5	8.2	248
2000	3	98	4	4	100	42	1.67	73	56.54	7/11/2000	16:18	0.3	24.2	8	248
2000	3	98	4	4	101	42	1.426	73	56.456	7/11/2000	16:29	0.3	24	7.9	250
2000	3	99	6	4	99	42	2.02	73	55.73	7/11/2000	14:01	0.3	25.1	7.9	253
2000	3	105	4	4	97	42	7.68	73	55.13	7/11/2000	15:29	0.3	25	8	259
2000	3	105	4	4	98	42	7.33	73	55.3	7/11/2000	15:39	0.3	24.3	7.7	262
2000	3	106	4	4	96	42	8.147	73	54.796	7/11/2000	15:17	0.3	25	8	271
2000	3	113	4	4	86	42	13.12	73	51.33	7/11/2000	14:52	0.3	23.8	7.5	266
2000	3	114	4	4	81	42	14.39	73	50.549	7/11/2000	14:25	0.3	24.3	8	266
2000	3	114	4	4	82	42	14.31	73	50.58	7/11/2000	14:37	0.3	24	7.5	267
2000	3	115	6	4	79	42	14.8	73	49	7/11/2000	14:11	0.3	24	7.5	266
2000	3	116	6	4	77	42	15.02	73	48.31	7/11/2000	13:53	0.3	24	7.6	268
2000	3	117	4	2	76	42	15.84	73	47.69	7/11/2000	13:37	0.3	25.1	8	268
2000	3	118	4	2	75	42	16.12	73	47.49	7/11/2000	13:27	0.3	25.1	8	268
2000	3	119	4	2	70	42	17.317	73	47.373	7/11/2000	12:55	0.3	24.7	8	264

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	3	119	6	2	69	42	17.29	73	46.78	7/11/2000	12:37	0.3	24.3	8.3	263
2000	3	119	6	2	71	42	17.16	73	46.8	7/11/2000	12:45	0.3	24.3	8.3	263
2000	3	119	6	2	72	42	16.82	73	47.28	7/11/2000	13:15	0.3	23.9	7.8	267
2000	3	121	6	2	66	42	19.33	73	46.85	7/11/2000	12:05	0.3	24	7.2	263
2000	3	121	6	2	67	42	18.82	73	46.89	7/11/2000	12:14	0.3	24	7.2	264
2000	3	122	4	2	63	42	19.84	73	47.18	7/11/2000	11:45	0.3	25.2	7.7	260
2000	3	122	6	2	64	42	19.9	73	46.8	7/11/2000	11:56	0.3	24	7	263
2000	3	123	4	2	59					7/11/2000	11:26	0.3	24.9	8.2	262
2000	3	123	4	2	60	42	20.64	73	47.39	7/11/2000	11:35	0.3	24.8	8.2	262
2000	3	124	4	2	55	42	21.64	73	47.62	7/11/2000	11:02	0.3	24.2	7.2	262
2000	3	124	6	2	57	42	21.28	73	47.32	7/11/2000	11:12	0.3	24	7.2	262
2000	3	126	4	2	49	42	23.4	73	47.52	7/11/2000	10:35	0.3	24.8	7.6	260
2000	3	126	6	2	50	42	23.21	73	47.62	7/11/2000	10:45	0.3	24.7	7.6	261
2000	3	129	6	2	39	42	25.879	73	46.76	7/11/2000	10:19	0.3	23	7.4	260
2000	3	133	4	2	29	42	29.09	73	47.273	7/11/2000	10:01	0.3	23.2	7.7	258
2000	3	134	4	2	28	42	30.027	73	46.913	7/11/2000	9:49	0.3	23.2	8	259
2000	3	138	4	4	20	42	33.5	73	45.35	7/11/2000	9:17	0.3	22.7	8.5	249
2000	3	138	4	2	22	42	33.36	73	45.42	7/11/2000	9:30	0.3	23.1	7.8	247
2000	3	139	4	4	16	42	34.31	73	45.21	7/11/2000	8:28	0.3	22.2	7.3	249
2000	3	139	4	4	18	42	34.14	73	45.24	7/11/2000	8:37	0.3	22.2	7.3	248
2000	3	139	4	4	19	42	34.03	73	45.26	7/11/2000	9:06	0.3	22.6	8.5	250
2000	3	139	6	2	14	42	34.34	73	45.02	7/11/2000	8:09	0.3	22.3	7.1	245
2000	3	139	6	4	17	42	34.22	73	45.02	7/11/2000	8:51	0.3	22.7	7.5	240
2000	4	18	5	4	261	40	56.27	73	54.17	7/24/2000	12:22	0.3	24	7.1	9253
2000	4	19	6	4	259	40	57.735	73	53.561	7/24/2000	12:39	0.3	24.1	7.2	7103
2000	4	22	6	2	256	40	59.97	73	53.05	7/24/2000	13:00	0.3	24.8	7	4791
2000	4	23	6	2	254	41	1.086	73	52.681	7/24/2000	13:26	0.3	24.9	8.2	4981
2000	4	23	6	2	255	41	0.74	73	52.83	7/24/2000	13:13	0.3	24.5	7	4821
2000	4	24	6	2	252	41	2.057	73	52.505	7/24/2000	13:57	0.3	24.8	6.9	4201
2000	4	24	6	2	253	41	1.169	73	52.711	7/24/2000	13:40	0.3	25	7.8	4373
2000	4	25	4	4	250	41	2.86	73	55.07	7/24/2000	11:37	0.3	24.5	10.3	4841
2000	4	25	4	4	270	41	2.783	73	55.05	7/24/2000	11:50	0.3	24.3	10.5	4921
2000	4	25	6	2	251	41	2.46	73	52.42	7/24/2000	14:09	0.3	24.5	6.9	4438
2000	4	26	4	4	246	41	3.6	73	55.2	7/24/2000	10:32	0.3	24.4	9.3	4639
2000	4	26	4	4	271	41	3.77	73	55.22	7/24/2000	10:23	0.3	24.3	9.1	4648
2000	4	26	4	4	283	41	8.34	73	54.4	7/24/2000	11:23	0.3	24.8	9.9	4701
2000	4	26	6	2	247	41	3.891	73	52.077	7/24/2000	14:41	0.3	24.1	7.6	5987
2000	4	26	6	2	248	41	3.273	73	52.221	7/24/2000	14:30	0.3	24.2	7.1	5164
2000	4	26	6	2	249	41	2.67	73	52.3	7/24/2000	14:19	0.3	24.9	7.2	4991
2000	4	27	4	4	245	41	4.19	73	55.21	7/24/2000	10:13	0.3	24	9.7	4525
2000	4	27	4	4	272	41	4.49	73	55.14	7/24/2000	9:50	0.3	24	8.9	4281
2000	4	28	6	2	243	41	5.683	73	52.214	7/24/2000	15:05	0.3	25	7.2	3815
2000	4	28	6	2	244	41	5.33	73	52.33	7/24/2000	14:54	0.3	25	7.3	3815

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	4	29	4	4	242	41	6.1	73	54.88	7/24/2000	9:32	0.3	23.9	9	3760
2000	4	30	4	4	241	41	7.14	73	54.77	7/24/2000	9:21	0.3	23.9	9	3760
2000	4	31	4	4	285	41	3.607	73	55.196	7/24/2000	9:02	0.3	24	6.6	2156
2000	4	32	4	4	239	41	8.81	73	54.6	7/24/2000	8:38	0.3	24.1	7.4	1918
2000	4	32	4	4	240	41	8.48	73	54.42	7/24/2000	8:54	0.3	24	7.2	2430
2000	4	32	6	2	238	41	8.85	73	52.123	7/24/2000	15:22	0.3	24.5	7.3	2707
2000	4	32	6	4	237	41	9.274	73	52.181	7/27/2000	10:35	0.3	23	7.8	3342
2000	4	32	6	4	269	41	9.445	73	52.243	7/27/2000	10:42	0.3	23	7.6	3322
2000	4	33	6	4	236	41	9.79	73	52.202	7/27/2000	10:57	0.3	23.3	7.5	3415
2000	4	34	6	4	233	41	10.662	73	53.922	7/27/2000	11:14	0.3	23.1	7.4	3470
2000	4	34	6	4	274	41	11.17	73	53.71	7/27/2000	11:36	0.3	23.8	7.3	2124
2000	4	35	4	4	277	41	10.95	73	57.06	7/27/2000	10:15	0.3	23.5	7.5	2455
2000	4	35	6	4	231	41	11.23	73	53.69	7/27/2000	11:55	0.3	23.2	7.4	2254
2000	4	35	6	4	275	41	11.31	73	53.54	7/27/2000	12:05	0.3	23.2	7.4	2254
2000	4	36	4	4	227	41	11.02	73	57.41	7/27/2000	10:06	0.3	23.5	7.6	2558
2000	4	36	4	4	281	41	11.13	73	57.16	7/27/2000	9:56	0.3	23.5	7.2	2383
2000	4	36	4	4	282	41	11.2	73	57.17	7/27/2000	9:48	0.3	23.5	7.4	2383
2000	4	37	4	2	225	41	12.096	73	57.458	7/27/2000	9:22	0.3	23.1	7.1	2372
2000	4	38	4	2	222	41	12.979	73	57.867	7/27/2000	8:51	0.3	24	7.2	2450
2000	4	38	4	2	223	41	12.89	73	57.806	7/27/2000	9:08	0.3	23.9	6.9	2354
2000	4	38	4	2	278	41	12.96	73	57.828	7/27/2000	9:02	0.3	23.9	6.8	2354
2000	4	38	4	2	279	41	13.36	73	57.82	7/27/2000	8:42	0.3	24	7.4	2440
2000	4	38	4	2	280	41	13.4	73	57.81	7/27/2000	8:34	0.3	24	7.6	2440
2000	4	39	6	4	217	41	14.098	73	56.682	7/27/2000	12:43	0.3	23.9	7.2	2680
2000	4	39	6	4	219					7/27/2000	12:28	0.3	24.1	7	2466
2000	4	41	6	4	208	41	15.72	73	50.84	7/27/2000	13:06	0.3	26	6.9	2069
2000	4	43	6	4	204	41	16.693	73	56.484	7/27/2000	13:37	0.3	23.9	7.6	632
2000	4	46	6	2	199	41	19.42	73	58.77	7/26/2000	16:10	0.3	24	7.5	275
2000	4	48	4	4	197	41	20.86	73	58.08	7/26/2000	15:40	0.3	24.1	7	265
2000	4	49	4	4	196	41	21.16	73	57.74	7/26/2000	15:20	0.3	24	7.3	265
2000	4	53	4	4	192	41	24.19	73	57.95	7/26/2000	14:23	0.3	24	7.4	274
2000	4	53	6	4	191	41	24.882	73	57.554	7/26/2000	14:08	0.3	24	7	273
2000	4	55	6	4	189	41	25.66	73	58.14	7/26/2000	13:49	0.3	24	7.1	264
2000	4	56	4	4	187	41	26.83	74	0.5	7/26/2000	13:18	0.3	23.5	7.2	276
2000	4	57	4	4	185	41	27.68	74	0.73	7/26/2000	12:48	0.3	23.4	7.1	278
2000	4	57	4	4	186	41	27.28	74	0.8	7/26/2000	13:00	0.3	23.4	7.1	278
2000	4	59	6	4	178	41	29.25	73	59.32	7/26/2000	10:55	0.3	23	7.2	290
2000	4	59	6	4	179	41	29.24	73	59.34	7/26/2000	11:08	0.3	23	7.4	291
2000	4	61	4	4	174	41	31.15	74	0.37	7/26/2000	10:28	0.3	23.5	7	292
2000	4	63	4	4	166					7/26/2000	10:10	0.3	23.9	6.9	268
2000	4	63	6	4	168	41	32.3	73	58.633	7/26/2000	9:53	0.3	23.1	6.8	270
2000	4	72	4	2	151	41	40.04	73	57.11	7/26/2000	9:16	0.3	23.8	7	260
2000	4	74	6	2	148	41	41.15	73	56.31	7/26/2000	8:58	0.3	23	6.9	265

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	4	76	4	2	144					7/26/2000	8:38	0.3	22.6	7.5	252
2000	4	77	6	2	143	41	43.83	73	56.16	7/26/2000	8:22	0.3	23	7.3	247
2000	4	80	6	2	137	41	46.14	73	56.82	7/26/2000	7:39	0.3	23	6.9	239
2000	4	82	4	2	134	41	48.51	73	57.22	7/26/2000	7:19	0.3	23	7.2	234
2000	4	83	4	2	133	41	48.74	73	57.19	7/26/2000	7:05	0.3	23	7.4	235
2000	4	84	4	2	129	41	50.61	73	57.28	7/26/2000	6:47	0.3	22.9	7.2	238
2000	4	88	6	2	122	41	53.023	73	56.214	7/25/2000	18:16	0.3	24.9	6.9	249
2000	4	89	4	2	121	41	53.84	73	57.04	7/25/2000	18:00	0.3	23.8	6	245
2000	4	90	4	2	120	41	54.02	73	57.2	7/25/2000	17:47	0.3	23.7	5.9	243
2000	4	92	4	2	118	41	56.32	73	58.1	7/25/2000	17:26	0.3	25	6.9	301
2000	4	93	4	2	116	41	57.05	73	57.77	7/25/2000	17:12	0.3	23.9	6.3	274
2000	4	96	4	2	110	41	59.4	73	56.94	7/25/2000	16:50	0.3	24.8	6.8	258
2000	4	97	4	4	102	42	0.83	73	56.38	7/25/2000	16:24	0.3	25	7.4	268
2000	4	97	4	2	103	42	0.5	73	56.51	7/25/2000	16:37	0.3	25	6.7	260
2000	4	98	4	4	100	42	1.67	73	56.54	7/25/2000	15:50	0.3	23.9	6.6	257
2000	4	98	4	4	101	42	1.426	73	56.456	7/25/2000	16:08	0.3	23.9	6.7	257
2000	4	99	6	4	99	42	2.02	73	55.73	7/25/2000	15:28	0.3	24.9	6.1	268
2000	4	105	4	4	97	42	7.68	73	55.13	7/25/2000	14:56	0.3	24.5	6.6	227
2000	4	105	4	4	98	42	7.33	73	55.3	7/25/2000	15:06	0.3	24	6.8	247
2000	4	106	4	4	96	42	8.147	73	54.796	7/25/2000	14:36	0.3	24.9	7.3	279
2000	4	114	4	4	81	42	14.39	73	50.549	7/25/2000	13:45	0.3	24	7.3	232
2000	4	114	4	4	82	42	14.31	73	50.58	7/25/2000	14:05	0.3	23.2	6.8	236
2000	4	115	6	4	79	42	14.8	73	49	7/25/2000	13:29	0.3	23.9	6.8	234
2000	4	117	4	4	76	42	15.84	73	47.69	7/25/2000	13:02	0.3	24.5	7.6	227
2000	4	119	4	4	72	42	16.82	73	47.28	7/25/2000	12:42	0.3	25.1	7	217
2000	4	121	4	4	68	42	18.53	73	47.1	7/25/2000	12:25	0.3	25	7.6	218
2000	4	122	4	4	61	42	20.29	73	47.24	7/25/2000	11:48	0.3	24	7.1	222
2000	4	122	6	4	64	42	19.9	73	46.8	7/25/2000	12:06	0.3	24	7	222
2000	4	124	6	4	56	42	21.49	73	47.29	7/25/2000	11:14	0.3	23.9	7.1	218
2000	4	124	6	4	57	42	21.28	73	47.32	7/25/2000	11:28	0.3	23.8	7.1	220
2000	4	131	4	4	33	42	28.06	73	47.13	7/25/2000	10:40	0.3	23.5	7.2	209
2000	4	134	4	2	27	42	30.17	73	46.88	7/25/2000	10:15	0.3	23	7.2	220
2000	4	139	4	2	19	42	34.03	73	45.26	7/25/2000	9:46	0.3	23.2	7.1	215
2000	4	142	6	2	8	42	36.82	73	45.4	7/25/2000	9:26	0.3	22.9	7.4	206
2000	4	143	4	2	6	42	38.03	73	45.23	7/25/2000	9:10	0.3	22.9	7.5	211
2000	4	145	6	2	4	42	39.51	73	44.09	7/25/2000	8:15	0.3	22.1	7.9	204
2000	4	145	6	2	5	42	39.19	73	44.41	7/25/2000	8:32	0.3	22	7.4	203
2000	5	15	4	4	263	40	54.252	73	55.961	8/7/2000	11:43	0.3	25.2	6.9	6944
2000	5	18	4	4	260	40	56.889	73	55.1	8/7/2000	11:26	0.3	27	7	6598
2000	5	18	6	4	261	40	56.27	73	54.17	8/7/2000	11:59	0.3	26	7.2	6734
2000	5	22	6	4	256	40	59.97	73	53.05	8/7/2000	12:25	0.3	26.9	7.5	5078
2000	5	23	6	4	255	41	0.74	73	52.83	8/7/2000	12:43	0.3	26.8	7.9	4801
2000	5	24	6	4	252	41	2.057	73	52.505	8/7/2000	13:17	0.3	27	7.9	4781

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	5	24	6	4	253	41	1.169	73	52.711	8/7/2000	13:03	0.3	27	8.1	4781
2000	5	25	4	4	250	41	2.86	73	55.07	8/7/2000	10:30	0.3	26	7.3	5465
2000	5	25	4	4	270	41	2.783	73	55.05	8/7/2000	10:46	0.3	26.5	8	5700
2000	5	25	6	4	251	41	2.46	73	52.42	8/7/2000	13:31	0.3	27	7.9	4667
2000	5	26	4	4	246	41	3.6	73	55.2	8/7/2000	10:02	0.3	25.5	7.3	5226
2000	5	26	4	4	271	41	3.77	73	55.22	8/7/2000	9:52	0.3	25.6	7.3	5215
2000	5	26	4	4	283	41	8.34	73	54.4	8/7/2000	10:14	0.3	25.9	7.3	5183
2000	5	26	6	2	247	41	3.891	73	52.077	8/7/2000	14:10	0.3	27.2	8.5	4762
2000	5	26	6	2	248	41	3.273	73	52.221	8/7/2000	13:56	0.3	26.9	8	4504
2000	5	26	6	4	249	41	2.67	73	52.3	8/7/2000	13:44	0.3	27	8	4590
2000	5	27	4	4	272	41	4.49	73	55.14	8/7/2000	9:23	0.3	25	7.2	4981
2000	5	27	4	4	245	41	4.19	73	55.21	8/9/2000	9:39	0.3	25	7.3	5080
2000	5	29	4	4	242	41	6.1	73	54.88	8/7/2000	9:08	0.3	24.6	7.2	4620
2000	5	30	4	2	241	41	7.14	73	54.77	8/7/2000	8:48	0.3	24.5	7.2	4529
2000	5	31	4	2	285	41	3.607	73	55.196	8/7/2000	8:26	0.3	24.9	7.3	3743
2000	5	31	4	4	285	41	3.607	73	55.196	8/8/2000	11:56	0.3	27.2	7.5	2286
2000	5	32	4	2	239	41	8.81	73	54.6	8/7/2000	8:00	0.3	24.9	7.1	3144
2000	5	32	4	2	240	41	8.48	73	54.42	8/7/2000	8:16	0.3	24.9	7.3	3723
2000	5	32	4	4	239	41	8.81	73	54.6	8/8/2000	11:24	0.3	27.1	8.3	1995
2000	5	32	4	4	240	41	8.48	73	54.42	8/8/2000	11:46	0.3	27.2	7.5	2267
2000	5	32	6	4	237	41	9.274	73	52.181	8/8/2000	12:28	0.3	28.2	9.9	2436
2000	5	32	6	4	238	41	8.85	73	52.123	8/8/2000	12:13	0.3	28	9.8	2474
2000	5	32	6	4	269	41	9.445	73	52.243	8/8/2000	12:41	0.3	27.8	10	2568
2000	5	34	6	2	233	41	10.662	73	53.922	8/8/2000	13:03	0.3	28.1	11.2	2338
2000	5	34	6	2	274	41	11.17	73	53.71	8/8/2000	13:19	0.3	28.3	10.4	2068
2000	5	35	4	4	229	41	10.59	73	56.41	8/8/2000	11:08	0.3	27.1	8.2	1050
2000	5	35	4	4	277	41	10.95	73	57.06	8/8/2000	10:59	0.3	27.1	8.2	1050
2000	5	35	6	2	231	41	11.23	73	53.69	8/8/2000	13:39	0.3	29.9	11.8	2182
2000	5	35	6	2	275	41	11.31	73	53.54	8/8/2000	13:48	0.3	29.9	11.8	2182
2000	5	36	4	4	226	41	11.8	73	57.5	8/8/2000	10:12	0.3	26.4	6.3	920
2000	5	36	4	4	281	41	11.13	73	57.16	8/8/2000	10:45	0.3	26.3	8.2	1174
2000	5	36	4	4	282	41	11.2	73	57.17	8/8/2000	10:37	0.3	26.3	8.3	1164
2000	5	38	4	4	222	41	12.979	73	57.867	8/8/2000	9:33	0.3	26.4	6.8	765
2000	5	38	4	4	223	41	12.89	73	57.806	8/8/2000	9:57	0.3	26.4	7.7	784
2000	5	38	4	4	278	41	12.96	73	57.828	8/8/2000	9:48	0.3	26.4	7.7	784
2000	5	38	4	4	279	41	13.36	73	57.82	8/8/2000	9:22	0.3	26.1	6.6	750
2000	5	38	4	4	280	41	13.4	73	57.81	8/8/2000	9:13	0.3	26.1	6.6	750
2000	5	39	4	2	215	41	13.62	73	58.34	8/8/2000	14:20	0.3	28	6.8	572
2000	5	43	6	2	203	41	16.91	73	56.26	8/8/2000	15:38	0.3	29.8	7.9	452
2000	5	43	6	2	205	41	16.413	73	56.551	8/8/2000	14:52	0.3	28.3	7.2	394
2000	5	44	6	2	201	41	17.74	73	56.87	8/8/2000	15:55	0.3	27.3	7.7	345
2000	5	46	6	4	199	41	19.42	73	58.77	8/10/2000	14:48	0.3	26	6	266
2000	5	49	4	4	196	41	21.16	73	57.74	8/10/2000	14:25	0.3	26.2	6.2	247

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2000	5	52	6	4	193	41	24.12	73	57.31	8/10/2000	13:55	0.3	27.5	6.4	245
2000	5	52	6	4	194	41	24.12	73	56.81	8/10/2000	14:05	0.3	27.9	6.5	244
2000	5	53	4	4	192	41	24.19	73	57.95	8/10/2000	13:39	0.3	26.5	6.2	251
2000	5	53	6	4	190	41	24.961	73	57.702	8/10/2000	13:19	0.3	27.2	7.6	255
2000	5	56	4	4	187	41	26.83	74	0.5	8/10/2000	12:58	0.3	27.5	7.5	257
2000	5	57	4	4	186	41	27.28	74	0.8	8/10/2000	12:37	0.3	26.3	7.2	252
2000	5	58	4	4	184	41	27.78	74	0.7	8/10/2000	12:27	0.3	26.2	7.2	253
2000	5	59	6	4	178	41	29.25	73	59.32	8/10/2000	12:06	0.3	26.7	6	318
2000	5	60	6	4	177	41	29.52	73	59.24	8/10/2000	11:55	0.3	26.5	5.9	319
2000	5	61	4	4	174	41	31.15	74	0.37	8/10/2000	11:33	0.3	26	6.7	262
2000	5	64	4	2	163	41	33.48	73	59.05	8/10/2000	11:13	0.3	25.8	5.8	237
2000	5	69	4	2	155	41	37.44	73	57.43	8/10/2000	10:37	0.3	25.1	6.1	240
2000	5	69	6	2	157	41	36.97	73	56.85	8/10/2000	10:52	0.3	25.3	6	311
2000	5	74	4	2	147	41	41.29	73	56.8	8/10/2000	10:17	0.3	24.9	5.9	233
2000	5	76	6	2	146	41	42.94	73	56.87	8/10/2000	9:56	0.3	24.2	6.3	280
2000	5	77	6	2	142	41	43.92	73	56.14	8/10/2000	9:12	0.3	24.2	5.1	233
2000	5	77	6	2	143	41	43.83	73	56.16	8/10/2000	9:19	0.3	24.2	5.1	233
2000	5	82	4	2	134	41	48.51	73	57.22	8/10/2000	8:47	0.3	24.2	6	236
2000	5	83	4	2	131	41	49.33	73	57.31	8/10/2000	8:31	0.3	25.2	5.5	229
2000	5	84	4	2	129	41	50.61	73	57.28	8/10/2000	8:11	0.3	24.8	6.1	232
2000	5	86	6	2	125	41	51.75	73	55.89	8/9/2000	18:05	0.3	26.9	6.7	247
2000	5	89	6	2	121	41	53.84	73	57.04	8/9/2000	17:48	0.3	26.4	6.6	249
2000	5	90	6	2	120	41	54.02	73	57.2	8/9/2000	17:35	0.3	26.2	6.8	248
2000	5	92	4	2	118	41	56.32	73	58.1	8/9/2000	17:18	0.3	27	7.6	236
2000	5	93	4	4	116	41	57.05	73	57.77	8/9/2000	17:02	0.3	26.3	6.5	238
2000	5	94	4	4	113	41	58.38	73	57.25	8/9/2000	16:28	0.3	26.1	7.4	242
2000	5	94	5	4	115	41	57.78	73	57.47	8/9/2000	16:45	0.3	26.3	7.5	242
2000	5	95	4	4	111	41	59.083	73	57.079	8/9/2000	16:11	0.3	28.3	7.8	233
2000	5	96	4	4	105	42	0.22	73	56.65	8/9/2000	15:54	0.3	28.4	7.6	235
2000	5	96	4	4	110	41	59.4	73	56.94	8/9/2000	16:03	0.3	28.3	7.7	231
2000	5	97	4	4	103	42	0.5	73	56.51	8/9/2000	15:46	0.3	28.4	7.7	235
2000	5	98	4	4	100	42	1.67	73	56.54	8/9/2000	15:15	0.3	26.1	7.6	235
2000	5	98	4	4	101	42	1.426	73	56.456	8/9/2000	15:26	0.3	26.1	7.6	235
2000	5	99	6	4	99	42	2.02	73	55.73	8/9/2000	14:55	0.3	27.1	6.8	244
2000	5	110	6	4	90	42	11.04	73	51.38	8/9/2000	13:53	0.3	25.1	7.7	228
2000	5	112	4	2	88	42	12.69	73	51.26	8/9/2000	13:20	0.3	25.8	7.4	224
2000	5	114	4	2	82	42	14.31	73	50.58	8/9/2000	12:37	0.3	25.9	6.8	233
2000	5	114	4	2	83	42	14.26	73	50.71	8/9/2000	12:53	0.3	25.7	7.8	229
2000	5	114	6	2	85	42	13.54	73	50.75	8/9/2000	13:07	0.3	25.2	6.6	227
2000	5	117	6	2	77	42	15.02	73	48.31	8/9/2000	12:16	0.3	25.1	6.3	233
2000	5	119	6	2	69	42	17.29	73	46.78	8/9/2000	11:46	0.3	24.9	7.7	230
2000	5	121	6	2	67	42	18.82	73	46.89	8/9/2000	11:25	0.3	24.9	7.4	219
2000	5	122	6	2	62	42	20.105	73	46.848	8/9/2000	11:10	0.3	24.5	6.8	221

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2000	5	124	6	2	56	42	21.49	73	47.29	8/9/2000	10:52	0.3	24.8	7.5	230
2000	5	127	4	2	46	42	24.35	73	47.08	8/9/2000	10:32	0.3	24.7	7.7	223
2000	5	128	4	2	44	42	25	73	46.99	8/9/2000	10:15	0.3	24.5	7.6	222
2000	5	131	4	2	33	42	28.06	73	47.13	8/9/2000	9:26	0.3	23.3	7.4	234
2000	5	131	4	2	35	42	27.8	73	47.1	8/9/2000	9:43	0.3	23.7	7	227
2000	5	134	4	2	28	42	30.027	73	46.913	8/9/2000	9:10	0.3	23.5	7.5	224
2000	5	137	6	4	24	42	32.262	73	45.288	8/9/2000	8:44	0.3	23.2	6.7	216
2000	5	139	4	4	19	42	34.03	73	45.26	8/9/2000	8:24	0.3	23.1	7.2	194
2000	6	15	5	2	263	40	54.252	73	55.961	8/21/2000	10:45	0.3	22.1	6.4	8249
2000	6	19	6	2	259	40	57.735	73	53.561	8/21/2000	10:50	0.3	22.7	6.3	8356
2000	6	20	6	2	258	40	57.73	73	53.661	8/21/2000	11:17	0.3	23	6.8	7993
2000	6	21	6	2	257	40	59.13	73	53.13	8/21/2000	11:31	0.3	23	6.7	6747
2000	6	23	6	2	255	41	0.74	73	52.83	8/21/2000	11:47	0.3	23.1	8.1	6215
2000	6	24	6	2	252	41	2.057	73	52.505	8/21/2000	12:15	0.3	22.5	6.9	4195
2000	6	24	6	2	253	41	1.169	73	52.711	8/21/2000	12:05	0.3	22.6	6.9	4658
2000	6	25	4	2	250	41	2.86	73	55.07	8/21/2000	9:59	0.3	21.5	7.7	5569
2000	6	25	4	2	270	41	2.783	73	55.05	8/21/2000	10:10	0.3	21.3	7.7	5270
2000	6	25	6	2	251	41	2.46	73	52.42	8/21/2000	12:36	0.3	22.3	7.3	3686
2000	6	26	4	2	246	41	3.6	73	55.2	8/21/2000	9:24	0.3	21.3	7.2	5377
2000	6	26	4	2	271	41	3.77	73	55.22	8/21/2000	9:13	0.3	21.3	7.3	5323
2000	6	26	4	2	283	41	8.34	73	54.4	8/21/2000	9:42	0.3	21.3	7.4	5323
2000	6	26	6	2	247	41	3.891	73	52.077	8/21/2000	13:05	0.3	23.1	7.4	4682
2000	6	26	6	2	248	41	3.273	73	52.221	8/21/2000	12:53	0.3	23	7	4256
2000	6	26	6	2	249	41	2.67	73	52.3	8/21/2000	12:44	0.3	23	7	4256
2000	6	27	4	2	245	41	4.19	73	55.21	8/21/2000	9:05	0.3	21.2	7	5388
2000	6	27	4	2	272	41	4.49	73	55.14	8/21/2000	8:50	0.3	21.7	6.9	5172
2000	6	28	6	2	243	41	5.683	73	52.214	8/21/2000	13:25	0.3	23.1	7.5	4143
2000	6	28	6	2	244	41	5.33	73	52.33	8/21/2000	13:16	0.3	23.2	7.5	4238
2000	6	29	4	2	242	41	6.1	73	54.88	8/21/2000	8:25	0.3	21	7.9	4654
2000	6	30	4	2	241	41	7.14	73	54.77	8/21/2000	8:13	0.3	21.1	8	4536
2000	6	31	4	2	285	41	3.607	73	55.196	8/21/2000	7:59	0.3	22	7	3497
2000	6	32	4	2	239	41	8.81	73	54.6	8/21/2000	7:45	0.3	21.8	6.8	3299
2000	6	32	4	2	240	41	8.48	73	54.42	8/21/2000	7:52	0.3	22.1	7	3490
2000	6	32	6	2	237	41	9.274	73	52.181	8/21/2000	13:51	0.3	24.2	7.8	3190
2000	6	32	6	2	238	41	8.85	73	52.123	8/21/2000	13:43	0.3	23.1	7.6	3315
2000	6	32	6	2	269	41	9.445	73	52.243	8/21/2000	14:05	0.3	24	7.5	3152
2000	6	33	6	2	236	41	9.79	73	52.202	8/21/2000	14:13	0.3	23.5	7.3	3082
2000	6	34	6	2	233	41	10.662	73	53.922	8/21/2000	14:35	0.3	24	8	2949
2000	6	34	6	2	234	41	10.19	73	53.93	8/21/2000	14:26	0.3	24	8.9	3050
2000	6	35	4	2	229	41	10.59	73	56.41	8/23/2000	15:53	0.3	23.1	7	2693
2000	6	35	4	2	230	41	10.59	73	56.39	8/23/2000	15:45	0.3	23.2	7	2688
2000	6	35	4	2	277	41	10.95	73	57.06	8/23/2000	16:02	0.3	23	7	2699
2000	6	35	6	2	231	41	11.23	73	53.69	8/23/2000	15:09	0.3	23	7.2	2709

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2000	6	35	6	2	232	41	11.172	73	53.996	8/23/2000	15:27	0.3	23.1	7	2693
2000	6	35	6	2	274	41	11.17	73	53.71	8/23/2000	15:20	0.3	23	7	2699
2000	6	35	6	2	275	41	11.31	73	53.54	8/23/2000	15:00	0.3	23	7.3	2699
2000	6	36	6	2	227	41	11.02	73	57.41	8/23/2000	14:30	0.3	22.9	5.3	2184
2000	6	36	6	2	276	41	12.17	73	53.51	8/23/2000	14:47	0.3	23.8	6	2246
2000	6	38	4	2	221	41	13.43	73	57.79	8/23/2000	16:25	0.3	23.2	6	1137
2000	6	38	4	2	222	41	12.979	73	57.867	8/23/2000	16:15	0.3	23.2	5.6	1137
2000	6	38	6	2	220					8/23/2000	14:13	0.3	23.3	6	1289
2000	6	39	6	2	217	41	14.098	73	56.682	8/23/2000	13:50	0.3	23.3	5.8	1135
2000	6	40	6	2	210	41	14.87	73	57.74	8/23/2000	13:35	0.3	23.8	7	490
2000	6	42	6	2	207	41	15.3	73	57.8	8/23/2000	13:20	0.3	25.1	5	358
2000	6	43	6	4	203	41	16.91	73	56.26	8/23/2000	12:38	0.3	23.4	6.5	401
2000	6	43	6	4	205	41	16.413	73	56.551	8/23/2000	12:55	0.3	23	5.8	394
2000	6	49	4	4	196	41	21.16	73	57.74	8/23/2000	12:10	0.3	23.5	5.2	247
2000	6	52	6	4	193	41	24.12	73	57.31	8/23/2000	11:37	0.3	23.5	6.8	257
2000	6	52	6	4	194	41	24.12	73	56.81	8/23/2000	11:44	0.3	23.8	7.6	265
2000	6	53	4	4	192	41	24.19	73	57.95	8/23/2000	11:14	0.3	23.1	5.6	254
2000	6	55	6	4	189	41	25.66	73	58.14	8/23/2000	10:54	0.3	23.4	5.2	247
2000	6	58	6	4	182	41	28.2	73	59.12	8/23/2000	10:25	0.3	22.4	6.5	263
2000	6	59	6	4	179	41	29.24	73	59.34	8/23/2000	10:05	0.3	22	6.3	281
2000	6	59	6	4	180	41	29.08	73	59.37	8/23/2000	10:20	0.3	22	6.3	284
2000	6	60	6	4	177	41	29.52	73	59.24	8/23/2000	9:45	0.3	22.4	5.9	268
2000	6	60	6	4	178	41	29.25	73	59.32	8/23/2000	9:55	0.3	22.5	5.9	262
2000	6	61	4	4	174	41	31.15	74	0.37	8/23/2000	9:27	0.3	23.4	5.9	247
2000	6	63	6	4	167	41	32.41	73	58.61	8/23/2000	9:13	0.3	23.5	6	216
2000	6	65	4	2	162	41	33.99	73	58.39	8/23/2000	8:58	0.3	23.7	5.9	220
2000	6	69	4	2	155	41	37.44	73	57.43	8/23/2000	8:15	0.3	22.3	5.6	221
2000	6	69	6	2	157	41	36.97	73	56.85	8/23/2000	8:27	0.3	23	5.9	223
2000	6	71	4	2	154	41	38.88	73	57.23	8/23/2000	7:55	0.3	22.4	5.5	210
2000	6	77	6	2	142	41	43.92	73	56.14	8/23/2000	7:40	0.3	22	5.7	223
2000	6	78	4	2	139	41	44.786	73	56.758	8/23/2000	7:30	0.3	22	5.4	223
2000	6	81	4	2	135	41	47.474	73	57.457	8/23/2000	7:14	0.3	20.8	5.9	217
2000	6	82	4	2	134	41	48.51	73	57.22	8/23/2000	7:00	0.3	22	5.7	217
2000	6	84	4	2	129	41	50.61	73	57.28	8/23/2000	6:42	0.3	21.2	5.6	224
2000	6	86	6	2	125	41	51.75	73	55.89	8/22/2000	17:15	0.3	23.8	6.7	209
2000	6	88	6	2	122	41	53.023	73	56.214	8/22/2000	16:45	0.3	25	7.7	209
2000	6	89	6	2	121	41	53.84	73	57.04	8/22/2000	16:30	0.3	24	7.4	234
2000	6	92	4	2	118	41	56.32	73	58.1	8/22/2000	16:11	0.3	24.5	7.7	242
2000	6	93	4	2	116	41	57.05	73	57.77	8/22/2000	15:55	0.3	23.8	6.7	225
2000	6	95	4	2	111	41	59.083	73	57.079	8/22/2000	15:39	0.3	23.2	7.4	207
2000	6	96	4	2	105	42	0.22	73	56.65	8/22/2000	15:13	0.3	22.5	7.2	210
2000	6	96	4	2	108	41	59.76	73	56.81	8/22/2000	15:25	0.3	24	7.4	219
2000	6	97	4	4	102	42	0.83	73	56.38	8/22/2000	14:50	0.3	24.9	7.4	200

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2000	6	97	4	2	103	42	0.5	73	56.51	8/22/2000	15:00	0.3	23.8	7.7	204
2000	6	98	4	4	100	42	1.67	73	56.54	8/22/2000	14:21	0.3	23	7.7	209
2000	6	98	4	4	101	42	1.426	73	56.456	8/22/2000	14:35	0.3	23	7.5	208
2000	6	105	4	4	98	42	7.33	73	55.3	8/22/2000	13:51	0.3	22	7.5	212
2000	6	106	4	4	96	42	8.147	73	54.796	8/22/2000	13:35	0.3	22.1	7.5	222
2000	6	114	4	4	82	42	14.31	73	50.58	8/22/2000	12:52	0.3	22.1	7	222
2000	6	114	6	4	84	42	14.02	73	50.18	8/22/2000	13:05	0.3	22.1	7.5	222
2000	6	116	6	4	77	42	15.02	73	48.31	8/22/2000	12:25	0.3	22.3	7.3	226
2000	6	119	4	4	72	42	16.82	73	47.28	8/22/2000	12:01	0.3	21.5	7.3	220
2000	6	119	6	4	69	42	17.29	73	46.78	8/22/2000	11:48	0.3	21.7	7.5	219
2000	6	121	4	4	65	42	19.307	73	47.217	8/22/2000	11:20	0.3	21.5	7.5	220
2000	6	121	4	4	68	42	18.53	73	47.1	8/22/2000	11:32	0.3	22.4	7.9	215
2000	6	122	4	4	63	42	19.84	73	47.18	8/22/2000	11:06	0.3	21.6	7.4	224
2000	6	122	6	4	62	42	20.105	73	46.848	8/22/2000	10:50	0.3	21	7.7	227
2000	6	124	4	4	55	42	21.64	73	47.62	8/22/2000	10:30	0.3	21	7.7	222
2000	6	125	6	2	54	42	22.034	73	47.302	8/21/2000	10:17	0.3	20.9	7.3	201
2000	6	134	4	4	28	42	30.027	73	46.913	8/22/2000	9:50	0.3	20.9	7.7	211
2000	6	138	4	4	20	42	33.5	73	45.35	8/22/2000	9:12	0.3	20.6	7.6	218
2000	6	138	4	4	21	42	33.51	73	45.33	8/22/2000	9:25	0.3	20.6	7.6	196
2000	6	145	6	4	4	42	39.51	73	44.09	8/22/2000	8:38	0.3	20.2	8.1	187
2000	6	145	6	4	5	42	39.19	73	44.41	8/22/2000	8:47	0.3	20	7.8	190
2000	6	151	4	2	1	42	44.51	73	41.196	8/22/2000	7:50	0.3	20.3	7.9	176
2000	7	18	4	4	260	40	56.889	73	55.1	9/5/2000	11:25	0.3	21.3	8.8	5700
2000	7	19	6	4	259	40	57.735	73	53.561	9/5/2000	11:40	0.3	21.2	8.8	5388
2000	7	20	6	4	258	40	57.73	73	53.661	9/5/2000	12:08	0.3	23.1	7.6	7251
2000	7	23	6	4	254	41	1.086	73	52.681	9/5/2000	12:40	0.3	23.6	8.6	5331
2000	7	23	6	4	255	41	0.74	73	52.83	9/5/2000	12:25	0.3	21.3	8.8	5377
2000	7	24	6	4	252	41	2.057	73	52.505	9/5/2000	13:05	0.3	23.2	8.1	5479
2000	7	24	6	4	253	41	1.169	73	52.711	9/5/2000	12:50	0.3	23	8.9	5190
2000	7	25	4	4	250	41	2.86	73	55.07	9/5/2000	10:39	0.3	21	9	4545
2000	7	25	4	4	270	41	2.783	73	55.05	9/5/2000	10:53	0.3	21	9	4437
2000	7	25	6	2	251	41	2.46	73	52.42	9/5/2000	13:23	0.3	23	7.8	6228
2000	7	26	4	4	246	41	3.6	73	55.2	9/5/2000	10:12	0.3	21	9	4545
2000	7	26	4	4	271	41	3.77	73	55.22	9/5/2000	10:00	0.3	21	9	4545
2000	7	26	4	4	283	41	8.34	73	54.4	9/5/2000	10:22	0.3	21.2	8.7	4526
2000	7	26	6	2	247	41	3.891	73	52.077	9/5/2000	14:00	0.3	23.2	8.2	6202
2000	7	26	6	2	248	41	3.273	73	52.221	9/5/2000	13:43	0.3	23	8.9	5294
2000	7	26	6	2	249	41	2.67	73	52.3	9/5/2000	13:30	0.3	23	8	6228
2000	7	27	4	4	245	41	4.19	73	55.21	9/5/2000	9:48	0.3	21.2	8.9	4526
2000	7	27	4	4	272	41	4.49	73	55.14	9/5/2000	9:25	0.3	20.3	8.7	3075
2000	7	28	6	2	243	41	5.683	73	52.214	9/5/2000	14:20	0.3	22.8	9	4065
2000	7	28	6	2	244	41	5.33	73	52.33	9/5/2000	14:15	0.3	22.8	8.9	4065
2000	7	29	4	4	242	41	6.1	73	54.88	9/5/2000	9:10	0.3	21	9	2219

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2000	7	30	4	4	241	41	7.14	73	54.77	9/5/2000	9:00	0.3	20.2	9	2201
2000	7	31	4	4	285	41	3.607	73	55.196	9/5/2000	8:40	0.3	22.2	8.4	1372
2000	7	32	4	4	239	41	8.81	73	54.6	9/5/2000	8:10	0.3	22.2	8.4	1425
2000	7	32	4	4	240	41	8.48	73	54.42	9/5/2000	8:28	0.3	22.2	8.4	1425
2000	7	32	6	2	237	41	9.274	73	52.181	9/7/2000	16:51	0.3	23.5	7.5	2466
2000	7	32	6	2	238	41	8.85	73	52.123	9/7/2000	16:40	0.3	23.6	7.5	2461
2000	7	32	6	2	269	41	9.445	73	52.243	9/7/2000	17:02	0.3	23.9	7.4	2038
2000	7	33	6	2	236	41	9.79	73	52.202	9/7/2000	17:20	0.3	23.8	7.4	2246
2000	7	35	4	2	229	41	10.59	73	56.41	9/7/2000	16:20	0.3	24.1	7.4	2080
2000	7	35	4	2	230	41	10.59	73	56.39	9/7/2000	16:27	0.3	24.1	7.4	2131
2000	7	35	4	2	277	41	10.95	73	57.06	9/7/2000	16:10	0.3	24.8	8.3	2300
2000	7	35	6	2	231	41	11.23	73	53.69	9/7/2000	17:33	0.3	23.5	10.4	1541
2000	7	35	6	2	274	41	11.17	73	53.71	9/7/2000	17:28	0.3	23.6	10.5	1538
2000	7	36	4	2	227	41	11.02	73	57.41	9/7/2000	16:04	0.3	24.9	8.4	2196
2000	7	36	4	2	282	41	11.2	73	57.17	9/7/2000	15:52	0.3	24.1	7.9	2080
2000	7	36	6	2	228	41	12.25	73	53.5	9/7/2000	18:05	0.3	24	9.8	1505
2000	7	36	6	2	276	41	12.17	73	53.51	9/7/2000	17:48	0.3	23.8	9	1521
2000	7	38	4	2	221	41	13.43	73	57.79	9/7/2000	15:24	0.3	25.1	7.7	1789
2000	7	38	4	2	222	41	12.979	73	57.867	9/7/2000	15:37	0.3	25.3	7.5	1782
2000	7	38	4	2	223	41	12.89	73	57.806	9/7/2000	15:41	0.3	25	7.7	1793
2000	7	38	4	2	279	41	13.36	73	57.82	9/7/2000	15:33	0.3	25.2	7.6	1786
2000	7	38	4	2	280	41	13.4	73	57.81	9/7/2000	15:10	0.3	25.1	7.7	1740
2000	7	39	4	2	215	41	13.62	73	58.34	9/7/2000	14:59	0.3	24.4	7.3	2118
2000	7	40	6	2	210	41	14.87	73	57.74	9/7/2000	14:35	0.3	25	7	1494
2000	7	42	6	2	207	41	15.3	73	57.8	9/7/2000	14:25	0.3	25.9	6.5	1467
2000	7	43	6	2	202	41	17.12	73	55.98	9/7/2000	14:05	0.3	24.9	7.1	998
2000	7	44	6	2	201	41	17.74	73	56.87	9/7/2000	13:50	0.3	24.9	7	948
2000	7	48	4	2	197	41	20.86	73	58.08	9/7/2000	13:29	0.3	24.3	7	243
2000	7	49	4	2	196	41	21.16	73	57.74	9/7/2000	13:10	0.3	24.1	6.5	244
2000	7	53	4	4	192	41	24.19	73	57.95	9/7/2000	12:35	0.3	22.1	7	254
2000	7	53	6	4	191	41	24.882	73	57.554	9/7/2000	12:15	0.3	23.3	6.2	248
2000	7	55	6	4	189	41	25.66	73	58.14	9/7/2000	12:00	0.3	23.3	7	248
2000	7	58	4	4	183	41	28.02	74	0.87	9/7/2000	11:30	0.3	23.8	7.1	240
2000	7	58	4	4	184	41	27.78	74	0.7	9/7/2000	11:41	0.3	22	7	254
2000	7	59	6	4	181	41	29.04	73	59.33	9/7/2000	11:10	0.3	22.1	7	254
2000	7	60	6	4	176	41	29.57	73	59.06	9/7/2000	10:50	0.3	22.1	6.6	243
2000	7	60	6	4	177	41	29.52	73	59.24	9/7/2000	11:00	0.3	22	7	254
2000	7	61	4	4	174	41	31.15	74	0.37	9/7/2000	10:40	0.3	22.4	7.4	252
2000	7	62	6	2	172	41	31.54	73	58.97	9/7/2000	10:26	0.3	22.9	7.7	224
2000	7	63	4	2	166					9/7/2000	10:05	0.3	22.7	7.6	219
2000	7	69	6	2	156	41	37.03	73	56.88	9/7/2000	9:35	0.3	22	6.9	238
2000	7	69	6	2	158	41	36.94	73	56.81	9/7/2000	9:45	0.3	22.2	7	237
2000	7	73	6	2	150	41	40.28	73	56.49	9/7/2000	9:02	0.3	21.1	6.9	238

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2000	7	77	6	2	140	41	44.56	73	56.17	9/7/2000	8:30	0.3	21.2	6.9	231
2000	7	77	6	2	143	41	43.83	73	56.16	9/7/2000	8:40	0.3	21.2	7	237
2000	7	82	4	2	134	41	48.51	73	57.22	9/7/2000	8:06	0.3	21.5	7.2	233
2000	7	83	4	2	131	41	49.33	73	57.31	9/7/2000	7:44	0.3	21	7.3	236
2000	7	85	6	2	127	41	51.18	73	56.5	9/7/2000	7:18	0.3	22.2	7.1	232
2000	7	89	6	2	121	41	53.84	73	57.04	9/6/2000	18:15	0.3		7.8	
2000	7	90	6	2	120	41	54.02	73	57.2	9/6/2000	17:59	0.3	22.7	7.6	230
2000	7	91	6	2	119	41	55.847	73	56.774	9/6/2000	17:40	0.3	22.6	7.6	230
2000	7	93	4	2	116	41	57.05	73	57.77	9/6/2000	16:55	0.3	22.5	7.5	231
2000	7	93	6	2	117	41	57.036	73	56.721	9/6/2000	17:25	0.3	23.1	8.3	264
2000	7	96	4	2	108	41	59.76	73	56.81	9/6/2000	15:55	0.3	23.5	8.3	226
2000	7	96	4	2	110	41	59.4	73	56.94	9/6/2000	16:15	0.3	23	8.2	228
2000	7	97	4	4	102	42	0.83	73	56.38	9/6/2000	15:24	0.3	22.4	7.7	244
2000	7	97	4	2	103	42	0.5	73	56.51	9/6/2000	15:43	0.3	23.9	8.8	224
2000	7	98	4	4	100	42	1.67	73	56.54	9/6/2000	14:50	0.3	23	8.4	228
2000	7	98	4	4	101	42	1.426	73	56.456	9/6/2000	15:02	0.3	23	8.5	228
2000	7	99	6	4	99	42	2.02	73	55.73	9/6/2000	14:27	0.3	22.7	8	240
2000	7	105	4	4	98	42	7.33	73	55.3	9/6/2000	14:00	0.3	22.9	7.6	255
2000	7	106	4	4	96	42	8.147	73	54.796	9/6/2000	13:47	0.3	24.1	8.2	294
2000	7	112	4	4	88	42	12.69	73	51.26	9/6/2000	13:18	0.3	23.5	8.5	241
2000	7	114	4	4	81	42	14.39	73	50.549	9/6/2000	12:20	0.3	22.6	7.8	256
2000	7	114	4	4	83	42	14.26	73	50.71	9/6/2000	12:40	0.3	22	7.8	254
2000	7	114	6	4	85	42	13.54	73	50.75	9/6/2000	13:05	0.3	22.2	7.2	243
2000	7	115	6	4	80	42	14.8	73	49.1	9/6/2000	11:59				
2000	7	117	4	4	76	42	15.84	73	47.69	9/6/2000	11:40	0.3	21.8	8.4	234
2000	7	119	6	4	71	42	17.16	73	46.8	9/6/2000	11:23	0.3	20.9	8.8	249
2000	7	121	4	4	68	42	18.53	73	47.1	9/6/2000	11:08	0.3	21.7	7.8	251
2000	7	121	6	4	66	42	19.33	73	46.85	9/6/2000	10:54	0.3	21.1	7.7	248
2000	7	122	4	4	61	42	20.29	73	47.24	9/6/2000	10:35	0.3	20.7	7.1	272
2000	7	128	6	2	43	42	25.02	73	46.62	9/6/2000	10:08	0.3	20.4	7.8	263
2000	7	129	6	2	39	42	25.879	73	46.76	9/6/2000	9:53	0.3	21	7	265
2000	7	133	4	2	29	42	29.09	73	47.273	9/6/2000	9:33	0.3	21.8	7.7	255
2000	7	134	4	2	27	42	30.17	73	46.88	9/6/2000	9:15	0.3	20.5	7.5	284
2000	7	138	4	2	21	42	33.51	73	45.33	9/6/2000	8:40	0.3	19	7.8	231
2000	7	138	4	2	23	42	33.14	73	45.46	9/6/2000	8:48	0.3	19	7.8	231
2000	7	139	4	2	19	42	34.03	73	45.26	9/6/2000	8:30	0.3	18.9	7.3	232
2000	8	14	4	2	266	40	52.925	73	56.648	9/18/2000	12:59	0.3	22.2	6.5	14670
2000	8	15	4	2	263	40	54.252	73	55.961	9/18/2000	12:38	0.3	22.5	7.1	12586
2000	8	15	4	2	264	40	53.57	73	56.32	9/18/2000	12:48	0.3	22.5	7.1	13111
2000	8	18	4	2	260	40	56.889	73	55.1	9/18/2000	12:22	0.3	22.2	7.5	8760
2000	8	23	6	2	254	41	1.086	73	52.681	9/18/2000	13:27	0.3	22.1	7.3	9730
2000	8	24	6	2	252	41	2.057	73	52.505	9/18/2000	13:53	0.3	21.9	7.3	9558
2000	8	24	6	2	253	41	1.169	73	52.711	9/18/2000	13:38	0.3	21.9	7.8	9452

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	8	25	4	2	250	41	2.86	73	55.07	9/18/2000	11:34	0.3	20.8	9	8694
2000	8	25	4	2	270	41	2.783	73	55.05	9/18/2000	11:48	0.3	20.7	8.5	9475
2000	8	25	6	2	251	41	2.46	73	52.42	9/18/2000	14:17	0.3	22.2	7.2	9499
2000	8	26	4	2	246	41	3.6	73	55.2	9/18/2000	11:15	0.3	20.8	8.3	9238
2000	8	26	4	2	271	41	3.77	73	55.22	9/18/2000	11:08	0.3	20.8	8.2	9238
2000	8	26	4	2	283	41	8.34	73	54.4	9/18/2000	11:23	0.3	21	8.1	9632
2000	8	26	6	2	247	41	3.891	73	52.077	9/18/2000	14:46	0.3	22.1	8.1	8567
2000	8	26	6	2	248	41	3.273	73	52.221	9/18/2000	14:37	0.3	22.1	7.3	9413
2000	8	26	6	2	249	41	2.67	73	52.3	9/18/2000	14:27	0.3	22.2	7.3	9288
2000	8	27	4	2	245	41	4.19	73	55.21	9/18/2000	10:58	0.3	21	9.2	7576
2000	8	27	4	2	272	41	4.49	73	55.14	9/18/2000	10:48	0.3	21	8.5	7576
2000	8	28	6	2	243	41	5.683	73	52.214	9/18/2000	15:08	0.3	22.1	7.8	7509
2000	8	28	6	2	244	41	5.33	73	52.33	9/18/2000	15:00	0.3	22.1	7.8	7509
2000	8	29	4	2	242	41	6.1	73	54.88	9/18/2000	10:32	0.3	21.8	7.7	5321
2000	8	30	4	2	241	41	7.14	73	54.77	9/18/2000	10:15	0.3	21.7	7.6	5226
2000	8	31	4	2	285	41	3.607	73	55.196	9/18/2000	10:08	0.3	22.2	7.5	4222
2000	8	32	4	4	239	41	8.81	73	54.6	9/18/2000	9:46	0.3	21.9	7.3	3929
2000	8	32	4	2	240	41	8.48	73	54.42	9/18/2000	9:59	0.3	22.2	7.6	4116
2000	8	32	6	2	237	41	9.274	73	52.181	9/18/2000	15:33	0.3	23	8.7	5190
2000	8	32	6	2	238	41	8.85	73	52.123	9/18/2000	15:24	0.3	23.2	8.2	5685
2000	8	32	6	2	269	41	9.445	73	52.243	9/18/2000	15:43	0.3	23	8.7	5190
2000	8	33	6	2	236	41	9.79	73	52.202	9/18/2000	15:51	0.3	23	8.3	5086
2000	8	34	6	4	234	41	10.19	73	53.93	9/18/2000	16:18	0.3	22.1	9.8	4971
2000	8	34	6	4	235	41	10.632	73	52.59	9/18/2000	16:01	0.3	21	9	4123
2000	8	35	4	4	229	41	10.59	73	56.41	9/18/2000	9:33	0.3	22.4	7.1	3416
2000	8	35	4	4	277	41	10.95	73	57.06	9/18/2000	9:21	0.3	21	7.7	4112
2000	8	35	6	4	231	41	11.23	73	53.69	9/18/2000	16:44	0.3	22.5	10.5	5244
2000	8	35	6	4	232	41	11.172	73	53.996	9/18/2000	16:34	0.3	21.9	9.8	5204
2000	8	35	6	4	275	41	11.31	73	53.54	9/18/2000	16:54	0.3	22.5	10.1	5244
2000	8	36	4	4	227	41	11.02	73	57.41	9/18/2000	9:13	0.3	21	7.8	4058
2000	8	36	4	4	281	41	11.13	73	57.16	9/18/2000	9:00	0.3	21.1	7.4	3197
2000	8	36	4	4	282	41	11.2	73	57.17	9/18/2000	8:53	0.3	21	7.4	3193
2000	8	38	4	4	221	41	13.43	73	57.79	9/18/2000	8:09	0.3	21.3	7.3	2592
2000	8	38	4	4	222	41	12.979	73	57.867	9/18/2000	8:37	0.3	21.2	7.2	2802
2000	8	38	4	4	279	41	13.36	73	57.82	9/18/2000	8:28	0.3	21.2	7.2	2791
2000	8	38	4	4	280	41	13.4	73	57.81	9/18/2000	8:19	0.3	21.3	7.3	2581
2000	8	39	4	4	215	41	13.62	73	58.34	9/18/2000	17:12	0.3	23.4	8.3	2388
2000	8	40	6	4	211	41	14.88	73	57.6	9/18/2000	17:27	0.3	23.2	8.6	3515
2000	8	41	6	4	208	41	15.72	73	50.84	9/20/2000	14:10	0.3	24.1	6.7	1725
2000	8	42	4	2	206	41	16.412	73	58.1	9/20/2000	13:57	0.3	25.4	7.5	1976
2000	8	43	6	2	205	41	16.413	73	56.551	9/20/2000	14:24	0.3	25	7.7	1185
2000	8	49	4	2	196	41	21.16	73	57.74	9/20/2000	13:32	0.3	23.2	6.8	279
2000	8	52	6	4	193	41	24.12	73	57.31	9/20/2000	13:00	0.3	22.7	6.7	256

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2000	8	52	6	2	194	41	24.12	73	56.81	9/20/2000	13:12	0.3	22.8	6.8	255
2000	8	53	4	4	192	41	24.19	73	57.95	9/20/2000	12:26	0.3	23	7	242
2000	8	53	6	4	191	41	24.882	73	57.554	9/20/2000	12:12	0.3	23.2	7.6	274
2000	8	57	4	4	185	41	27.68	74	0.73	9/20/2000	11:41	0.3	22.8	7.8	219
2000	8	58	4	4	184	41	27.78	74	0.7	9/20/2000	11:30	0.3	22.8	7.8	219
2000	8	58	6	4	182	41	28.2	73	59.12	9/20/2000	11:17	0.3	21.8	7.1	261
2000	8	59	6	4	179	41	29.24	73	59.34	9/20/2000	10:51	0.3	21.2	6.5	241
2000	8	59	6	4	180	41	29.08	73	59.37	9/20/2000	11:01	0.3	21.1	6.7	243
2000	8	61	4	4	174	41	31.15	74	0.37	9/20/2000	10:35	0.3	22.1	7.7	245
2000	8	62	4	4	171	41	32.19	73	59.91	9/20/2000	10:10	0.3	22.5	7.2	229
2000	8	62	4	4	173	41	31.59	74	0.28	9/20/2000	10:23	0.3	22.2	7.2	231
2000	8	64	4	4	164	41	33.37	73	59.18	9/20/2000	9:54	0.3	22	7.2	242
2000	8	69	4	4	155	41	37.44	73	57.43	9/20/2000	9:23	0.3	21.5	7.2	241
2000	8	69	6	4	158	41	36.94	73	56.81	9/20/2000	9:31	0.3	21.5	7	241
2000	8	77	6	4	142	41	43.92	73	56.14	9/20/2000	8:59	0.3	21	7	239
2000	8	81	4	2	135	41	47.474	73	57.457	9/20/2000	8:34	0.3	20.5	7.3	242
2000	8	83	4	2	131	41	49.33	73	57.31	9/20/2000	8:14	0.3	20.7	7.5	240
2000	8	84	4	2	129	41	50.61	73	57.28	9/20/2000	8:03	0.3	20.4	7.3	240
2000	8	85	6	2	127	41	51.18	73	56.5	9/20/2000	7:50	0.3	20.6	7.5	240
2000	8	86	6	2	125	41	51.75	73	55.89	9/20/2000	7:33	0.3	20	7.3	249
2000	8	89	6	2	121	41	53.84	73	57.04	9/19/2000	16:50	0.3	20.8	7.8	226
2000	8	90	6	2	120	41	54.02	73	57.2	9/19/2000	16:39	0.3	20.7	7.8	227
2000	8	91	6	2	119	41	55.847	73	56.774	9/19/2000	16:09	0.3	20.8	7.5	226
2000	8	93	6	2	117	41	57.036	73	56.721	9/19/2000	15:55	0.3	20.9	7.7	228
2000	8	96	4	2	105	42	0.22	73	56.65	9/19/2000	15:10	0.3	20.6	8.3	223
2000	8	96	4	4	108	41	59.76	73	56.81	9/19/2000	15:19	0.3	21	8.5	221
2000	8	96	4	2	110	41	59.4	73	56.94	9/19/2000	15:32	0.3	20.8	8.6	223
2000	8	97	4	2	103	42	0.5	73	56.51	9/19/2000	15:01	0.3	21	8.7	222
2000	8	98	4	2	100	42	1.67	73	56.54	9/19/2000	14:42	0.3	20.5	8.4	221
2000	8	98	4	2	101	42	1.426	73	56.456	9/19/2000	14:50	0.3	20.5	8.2	223
2000	8	99	6	2	99	42	2.02	73	55.73	9/19/2000	14:27	0.3	20.5	8.2	227
2000	8	105	4	4	97	42	7.68	73	55.13	9/19/2000	13:49	0.3	21	8.8	227
2000	8	105	4	4	98	42	7.33	73	55.3	9/19/2000	14:04	0.3	21	9.2	225
2000	8	114	4	4	82	42	14.31	73	50.58	9/19/2000	13:13	0.3	20.7	7.6	241
2000	8	114	4	4	83	42	14.26	73	50.71	9/19/2000	13:23	0.3	21	7.8	240
2000	8	115	6	4	80	42	14.8	73	49.1	9/19/2000	12:57	0.3	21	8.2	239
2000	8	116	6	4	77	42	15.02	73	48.31	9/19/2000	12:39	0.3	20.9	8	244
2000	8	119	6	4	69	42	17.29	73	46.78	9/19/2000	12:20	0.3	21.1	7.8	248
2000	8	121	6	4	66	42	19.33	73	46.85	9/19/2000	11:53	0.3	21	8	249
2000	8	122	6	4	62	42	20.105	73	46.848	9/19/2000	11:38	0.3	20.8	7.8	248
2000	8	123	4	4	59					9/19/2000	11:22	0.3	21.2	8.1	250
2000	8	124	4	4	55	42	21.64	73	47.62	9/19/2000	10:59	0.3	21	7.6	247
2000	8	124	6	4	56	42	21.49	73	47.29	9/19/2000	11:11	0.3	20.9	7.6	249

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	8	125	6	4	54	42	22.034	73	47.302	9/19/2000	10:50	0.3	20.7	7.8	249
2000	8	126	4	4	48	42	23.65	73	47.38	9/19/2000	10:38	0.3	20.8	7.5	241
2000	8	129	6	4	42	42	25.226	73	46.523	9/19/2000	10:24	0.3	20	7	252
2000	8	130	4	4	37	42	26.76	73	47.22	9/19/2000	10:12	0.3	19.5	7.5	238
2000	8	131	4	4	33	42	28.06	73	47.13	9/19/2000	9:57	0.3	19.4	8.2	249
2000	8	148	6	2	3	42	41.41	73	42.584	9/19/2000	9:14	0.3	19	8.4	203
2000	8	149	6	2	2	42	42	73	42.07	9/19/2000	9:06	0.3	19	8.3	205
2000	9	18	4	4	260	40	56.889	73	55.1	10/5/2000	9:45	0.3	18	7.9	9343
2000	9	18	6	4	261	40	56.27	73	54.17	10/5/2000	9:35	0.3	18	7.8	9459
2000	9	19	6	4	259	40	57.735	73	53.561	10/5/2000	9:55	0.3	17.9	8.2	7745
2000	9	20	6	4	258	40	57.73	73	53.661	10/5/2000	10:15	0.3	18.7	8	5681
2000	9	23	6	4	255	41	0.74	73	52.83	10/5/2000	10:22	0.3	18	8	5652
2000	9	24	6	4	252	41	2.057	73	52.505	10/5/2000	10:45	0.3	18.1	7.9	5870
2000	9	24	6	4	253	41	1.169	73	52.711	10/5/2000	10:34	0.3	18	8.2	5652
2000	9	25	4	4	250	41	2.86	73	55.07	10/5/2000	9:10	0.3	16.8	8.3	5920
2000	9	25	4	4	270	41	2.783	73	55.05	10/5/2000	9:20	0.3	17	8.3	6012
2000	9	25	6	2	251	41	2.46	73	52.42	10/4/2000	16:45	0.3	20	8.9	7516
2000	9	25	6	4	251	41	2.46	73	52.42	10/5/2000	11:00	0.3	18.4	8	6976
2000	9	26	4	4	246	41	3.6	73	55.2	10/5/2000	8:55	0.3	18	7.9	4729
2000	9	26	4	4	249	41	2.67	73	52.3	10/5/2000	11:15	0.3	18	8.2	5768
2000	9	26	4	4	271	41	3.77	73	55.22	10/5/2000	8:49	0.3	18.1	7.9	4604
2000	9	26	4	4	283	41	8.34	73	54.4	10/5/2000	9:00	0.3	17.5	8.6	5597
2000	9	26	6	2	247	41	3.891	73	52.077	10/4/2000	16:25	0.3	19.9	8.4	7532
2000	9	27	4	2	272	41	4.49	73	55.14	10/4/2000	17:00	0.3	19.6	7.8	4236
2000	9	27	4	4	245	41	4.19	73	55.21	10/5/2000	8:40	0.3	17.8	8.3	4982
2000	9	28	6	2	243	41	5.683	73	52.214	10/4/2000	16:15	0.3	20	8.1	5305
2000	9	28	6	2	244	41	5.33	73	52.33	10/4/2000	16:20	0.3	20.1	8.1	5349
2000	9	29	4	2	242	41	6.1	73	54.88	10/4/2000	17:12	0.3	19.8	7.7	4218
2000	9	30	4	2	241	41	7.14	73	54.77	10/4/2000	17:21	0.3	19.8	7.7	4107
2000	9	31	4	2	285	41	3.607	73	55.196	10/4/2000	17:30	0.3	19.7	7.8	4227
2000	9	32	4	2	239	41	8.81	73	54.6	10/4/2000	17:50	0.3	19.9	7.4	4043
2000	9	32	4	2	240	41	8.48	73	54.42	10/4/2000	17:40	0.3	20	7.8	4200
2000	9	32	6	2	237	41	9.274	73	52.181	10/4/2000	15:50	0.3	20.3	8.2	3954
2000	9	32	6	2	238	41	8.85	73	52.123	10/4/2000	16:00	0.3	20.4	7.8	3836
2000	9	32	6	2	269	41	9.445	73	52.243	10/4/2000	15:44	0.3	20.4	8.1	4000
2000	9	33	6	2	236	41	9.79	73	52.202	10/4/2000	15:30	0.3	20	9.8	3647
2000	9	34	6	2	233	41	10.662	73	53.922	10/4/2000	15:00	0.3	20.5	10.7	3390
2000	9	34	6	2	234	41	10.19	73	53.93	10/4/2000	15:10	0.3	20.5	10	3390
2000	9	34	6	2	235	41	10.632	73	52.59	10/4/2000	15:25	0.3	20.3	9.8	3569
2000	9	35	4	2	277	41	10.95	73	57.06	10/4/2000	14:01	0.3	20.3	7.7	2691
2000	9	35	6	2	231	41	11.23	73	53.69	10/4/2000	14:44	0.3	20.6	8.8	3165
2000	9	35	6	2	274	41	11.17	73	53.71	10/4/2000	14:50	0.3	20	7.7	3316
2000	9	35	6	2	275	41	11.31	73	53.54	10/5/2000	14:35	0.3	20.5	8.7	3172

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2000	9	36	4	2	281	41	11.13	73	57.16	10/4/2000	15:15	0.3	20.4	7.6	2685
2000	9	36	6	2	228	41	12.25	73	53.5	10/4/2000	14:15	0.3	20.1	-8.2	3529
2000	9	36	6	2	276	41	12.17	73	53.51	10/4/2000	14:25	0.3	20	8	3316
2000	9	38	4	2	221	41	13.43	73	57.79	10/4/2000	12:58	0.3	21.3	7.7	2097
2000	9	38	4	2	222	41	12.979	73	57.867	10/4/2000	13:25	0.3	21.2	7.6	2155
2000	9	38	4	2	278	41	12.96	73	57.828	10/4/2000	13:14	0.3	21.1	7.6	2160
2000	9	38	4	2	280	41	13.4	73	57.81	10/4/2000	13:05	0.3	21	7.7	2164
2000	9	39	4	2	216	41	13.48	73	57.84	10/4/2000	12:45	0.3	20	7.9	221
2000	9	42	4	2	206	41	16.412	73	58.1	10/4/2000	12:22	0.3	20.4	7.7	1589
2000	9	43	6	2	203	41	16.91	73	56.26	10/4/2000	12:02	0.3	19.3	7.2	1481
2000	9	46	4	2	198	41	19.7	73	59	10/4/2000	11:35	0.3	19	7.2	339
2000	9	46	6	2	199	41	19.42	73	58.77	10/4/2000	11:45	0.3	19.2	7.2	337
2000	9	49	4	2	196	41	21.16	73	57.74	10/4/2000	11:18	0.3	19	7.2	339
2000	9	52	6	4	193	41	24.12	73	57.31	10/4/2000	10:54	0.3	19.4	7.6	313
2000	9	52	6	4	194	41	24.12	73	56.81	10/4/2000	11:03	0.3	18.9	7.2	317
2000	9	53	4	4	192	41	24.19	73	57.95	10/4/2000	10:43	0.3	19.5	7.6	290
2000	9	55	6	4	189	41	25.66	73	58.14	10/4/2000	10:30	0.3	19.1	7.6	310
2000	9	58	6	4	182	41	28.2	73	59.12	10/4/2000	10:10	0.3	17.8	8.3	174
2000	9	59	6	4	180	41	29.08	73	59.37	10/4/2000	9:48	0.3	18	7	300
2000	9	59	6	4	181	41	29.04	73	59.33	10/4/2000	9:55	0.3	18.1	7	299
2000	9	60	6	4	177	41	29.52	73	59.24	10/4/2000	9:30	0.3	17.6	6.9	326
2000	9	60	6	4	178	41	29.25	73	59.32	10/4/2000	9:40	0.3	18	7	311
2000	9	61	4	4	174	41	31.15	74	0.37	10/4/2000	9:17	0.3	19.4	6.6	151
2000	9	62	6	4	172	41	31.54	73	58.97	10/4/2000	9:02	0.3	18.5	6	171
2000	9	69	4	2	155	41	37.44	73	57.43	10/4/2000	8:34	0.3	19	5	271
2000	9	69	6	2	157	41	36.97	73	56.85	10/4/2000	8:46	0.3	18.8	5.5	261
2000	9	72	4	2	151	41	40.04	73	57.11	10/4/2000	8:20	0.3	18.9	4.5	272
2000	9	76	4	2	144					10/4/2000	7:59	0.3	17.5	7	274
2000	9	77	6	2	140	41	44.56	73	56.17	10/4/2000	7:30	0.3	17.7	6.1	273
2000	9	77	6	2	143	41	43.83	73	56.16	10/4/2000	7:46	0.3	17.6	6.2	273
2000	9	83	4	2	133	41	48.74	73	57.19	10/3/2000	16:45	0.3	18.2	8.8	281
2000	9	84	6	2	130	41	50.19	73	56.63	10/3/2000	17:01	0.3	18	9.2	161
2000	9	85	4	2	128					10/3/2000	16:25	0.3	18.2	8.7	285
2000	9	86	6	2	125	41	51.75	73	55.89	10/3/2000	16:15	0.3	18	9.2	271
2000	9	88	6	2	122	41	53.023	73	56.214	10/3/2000	16:00	0.3	18.1	9.2	276
2000	9	89	6	2	121	41	53.84	73	57.04	10/3/2000	15:49	0.3	18.1	9	276
2000	9	90	6	2	120	41	54.02	73	57.2	10/3/2000	15:40	0.3	18	9	271
2000	9	93	4	2	116	41	57.05	73	57.77	10/3/2000	15:21	0.3	18.3	9.2	275
2000	9	94	4	2	115	41	57.78	73	57.47	10/3/2000	15:01	0.3	18.2	9.2	276
2000	9	96	4	2	105	42	0.22	73	56.65	10/3/2000	14:43	0.3	18.4	9.8	320
2000	9	96	4	2	108	41	59.76	73	56.81	10/3/2000	14:53	0.3	18.4	9.6	274
2000	9	97	4	2	102	42	0.83	73	56.38	10/3/2000	14:22	0.3	17	9.2	283
2000	9	97	4	2	103	42	0.5	73	56.51	10/3/2000	14:33	0.3	19.5	9.7	352

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2000	9	98	4	2	100	42	1.67	73	56.54	10/3/2000	13:55	0.3	17.5	9.8	286
2000	9	98	4	2	101	42	1.426	73	56.456	10/3/2000	14:03	0.3	17.6	9.8	285
2000	9	105	4	4	98	42	7.33	73	55.3	10/3/2000	13:30	0.3	17.9	9	312
2000	9	106	4	4	96	42	8.147	73	54.796	10/3/2000	13:18	0.3	17	9.2	283
2000	9	107	4	4	95	42	8.94	73	54.32	10/3/2000	13:05	0.3	17.3	9.2	281
2000	9	109	6	4	93	42	9.91	73	52.81	10/3/2000	12:45	0.3	17.3	9.2	281
2000	9	112	4	4	88	42	12.69	73	51.26	10/3/2000	12:14	0.3	17.6	9.8	279
2000	9	114	4	4	83	42	14.26	73	50.71	10/3/2000	11:46	0.3	16.9	10	284
2000	9	114	6	4	84	42	14.02	73	50.18	10/3/2000	11:59	0.3	17	9.9	295
2000	9	115	6	4	80	42	14.8	73	49.1	10/3/2000	11:25	0.3	16.8	9.5	337
2000	9	119	4	4	72	42	16.82	73	47.28	10/3/2000	11:17	0.3	16.2	9	228
2000	9	119	6	4	69	42	17.29	73	46.78	10/3/2000	11:06	0.3	16.3	9	347
2000	9	121	6	4	66	42	19.33	73	46.85	10/3/2000	10:50	0.3	16.3	8.9	347
2000	9	124	6	4	57	42	21.28	73	47.32	10/3/2000	10:34	0.3	16.2	9	222
2000	9	139	4	4	16	42	34.31	73	45.21	10/3/2000	9:35	0.3	16.2	8.9	221
2000	9	139	4	4	18	42	34.14	73	45.24	10/3/2000	9:50	0.3	16.2	9	222
2000	9	142	6	4	8	42	36.82	73	45.4	10/3/2000	9:20	0.3	16	9.2	223
2000	9	145	6	4	4	42	39.51	73	44.09	10/3/2000	9:02	0.3	16	9.1	223
2000	9	148	6	4	3	42	41.41	73	42.584	10/3/2000	8:55	0.3	16	9.1	222
2000	9	149	6	4	2	42	42	73	42.07	10/3/2000	8:39	0.3	16.2	9.5	222
2000	9	151	4	4	1	42	44.51	73	41.196	10/3/2000	8:05	0.3	16.1	9.5	222
2000	10	18	4	2	260	40	56.889	73	55.1	10/16/2000	11:03	0.3	16.8	7.9	15510
2000	10	18	6	2	261	40	56.27	73	54.17	10/16/2000	10:50	0.3	16.4	7.4	15527
2000	10	19	6	2	259	40	57.735	73	53.561	10/16/2000	11:13	0.3	16.6	8	12486
2000	10	21	6	2	257	40	59.13	73	53.13	10/16/2000	11:23	0.3	16.3	8	11970
2000	10	23	4	2	254	41	1.086	73	52.681	10/16/2000	11:30	0.3	16.5	6.7	13705
2000	10	24	6	2	252	41	2.057	73	52.505	10/16/2000	11:52	0.3	16.6	6.8	13081
2000	10	24	6	2	253	41	1.169	73	52.711	10/16/2000	11:38	0.3	16.5	6.8	13109
2000	10	25	4	2	250	41	2.86	73	55.07	10/16/2000	10:17	0.3	15.6	9.6	11549
2000	10	25	4	2	270	41	2.783	73	55.05	10/16/2000	10:30	0.3	15.8	9.8	12103
2000	10	25	6	2	251	41	2.46	73	52.42	10/16/2000	12:02	0.3	16	8	13013
2000	10	26	4	2	246	41	3.6	73	55.2	10/16/2000	9:52	0.3	15.8	7.6	11498
2000	10	26	4	2	271	41	3.77	73	55.22	10/16/2000	9:48	0.3	15.6	7.8	10941
2000	10	26	4	2	283	41	8.34	73	54.4	10/16/2000	10:06	0.3	15.8	8	11498
2000	10	26	6	2	247	41	3.891	73	52.077	10/16/2000	12:41	0.3	16.1	7.7	13105
2000	10	26	6	2	248	41	3.273	73	52.221	10/16/2000	12:32	0.3	16.1	7.5	13225
2000	10	26	6	2	249	41	2.67	73	52.3	10/16/2000	12:22	0.3	16.1	7.4	13345
2000	10	27	4	2	245	41	4.19	73	55.21	10/16/2000	9:40	0.3	15.9	7.7	10868
2000	10	27	4	2	272	41	4.49	73	55.14	10/16/2000	13:32	0.3	16.1	8.1	11301
2000	10	28	6	2	243	41	5.683	73	52.214	10/16/2000	13:22	0.3	16	7.7	10844
2000	10	28	6	2	244	41	5.33	73	52.33	10/16/2000	13:12	0.3	15.9	7.8	11472
2000	10	29	4	2	242	41	6.1	73	54.88	10/16/2000	13:42	0.3	16.1	8	11301
2000	10	30	4	2	241	41	7.14	73	54.77	10/16/2000	13:51	0.3	16.1	8	10821

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2000	10	31	4	2	285	41	3.607	73	55.196	10/16/2000	14:07	0.3	16.3	8	11012
2000	10	32	4	2	239	41	8.81	73	54.6	10/16/2000	14:20	0.3	16.3	7.9	10773
2000	10	32	4	2	240	41	8.48	73	54.42	10/16/2000	14:16	0.3	16.3	8	10893
2000	10	32	6	2	237	41	9.274	73	52.181	10/18/2000	14:39	0.3	15.2	8	8586
2000	10	32	6	2	238	41	8.85	73	52.123	10/18/2000	14:50	0.3	16	8	8555
2000	10	32	6	2	269	41	9.445	73	52.243	10/18/2000	15:22	0.3	15.6	8	9725
2000	10	33	6	2	236	41	9.79	73	52.202	10/18/2000	14:10	0.3	15.3	8	9668
2000	10	35	4	2	229	41	10.59	73	56.41	10/18/2000	13:45	0.3	16.8	7.4	7577
2000	10	35	4	2	230	41	10.59	73	56.39	10/18/2000	13:52	0.3	16.8	7.5	7577
2000	10	35	4	2	277	41	10.95	73	57.06	10/18/2000	13:38	0.3	16.9	7.8	8270
2000	10	35	6	4	231	41	11.23	73	53.69	10/18/2000	15:00	0.3	16	7.9	4820
2000	10	35	6	4	274	41	11.17	73	53.71	10/18/2000	15:07	0.3	15.9	8	4710
2000	10	36	4	2	227	41	11.02	73	57.41	10/18/2000	13:32	0.3	16.8	7.7	7696
2000	10	36	4	2	281	41	11.13	73	57.16	10/18/2000	13:25	0.3	16.2	7.7	7558
2000	10	36	4	2	282	41	11.2	73	57.17	10/18/2000	13:18	0.3	16.5	7.5	7389
2000	10	36	6	4	276	41	12.17	73	53.51	10/18/2000	15:19	0.3	15	8.2	4805
2000	10	38	4	2	221	41	13.43	73	57.79	10/18/2000	12:48	0.3	17	7.8	6837
2000	10	38	4	2	222	41	12.979	73	57.867	10/18/2000	13:14	0.3	17	7.7	7191
2000	10	38	4	2	223	41	12.89	73	57.806	10/18/2000	12:54	0.3	17	7.7	6955
2000	10	38	4	2	279	41	13.36	73	57.82	10/18/2000	13:01	0.3	17	7.9	7073
2000	10	38	4	2	280	41	13.4	73	57.81	10/18/2000	12:40	0.3	17.1	7.7	6822
2000	10	40	6	2	210	41	14.87	73	57.74	10/16/2000	14:50	0.3	17.5	7.6	6763
2000	10	41	6	2	208	41	15.72	73	50.84	10/16/2000	15:00	0.3	17.5	7.7	6763
2000	10	42	4	4	206	41	16.412	73	58.1	10/16/2000	16:16	0.3	17	7.5	766
2000	10	43	6	4	203	41	16.91	73	56.26	10/16/2000	15:49	0.3	17.2	7.4	446
2000	10	44	6	4	201	41	17.74	73	56.87	10/16/2000	16:35	0.3	17.3	7.6	761
2000	10	49	4	2	196	41	21.16	73	57.74	10/18/2000	12:02	0.3	16.2	9.3	2039
2000	10	52	6	2	193	41	24.12	73	57.31	10/18/2000	11:41	0.3	16	9.2	1928
2000	10	52	6	2	194	41	24.12	73	56.81	10/18/2000	11:49	0.3	16.2	9.3	1979
2000	10	53	4	4	192	41	24.19	73	57.95	10/18/2000	11:30	0.3	16.2	9.5	1799
2000	10	55	6	4	189	41	25.66	73	58.14	10/18/2000	11:17	0.3	16	7.7	1807
2000	10	58	6	4	182	41	28.2	73	59.12	10/18/2000	11:00	0.3	15.2	9.5	1122
2000	10	59	6	4	179	41	29.24	73	59.34	10/18/2000	10:27	0.3	15	9	1109
2000	10	59	6	4	180	41	29.08	73	59.37	10/18/2000	10:33	0.3	15	9.5	1096
2000	10	59	6	4	181	41	29.04	73	59.33	10/18/2000	10:43	0.3	15	9.3	1121
2000	10	60	6	4	177	41	29.52	73	59.24	10/18/2000	10:20	0.3	14.8	8	1021
2000	10	61	4	4	174	41	31.15	74	0.37	10/18/2000	10:04	0.3	13.8	9	272
2000	10	62	6	4	170	41	31.8	73	58.98	10/18/2000	9:52	0.3	13.2	9.1	269
2000	10	63	6	4	168	41	32.3	73	58.633	10/18/2000	9:40	0.3	13.2	9.2	269
2000	10	64	4	4	164	41	33.37	73	59.18	10/18/2000	9:26	0.3	13.1	8.9	270
2000	10	74	6	4	148	41	41.15	73	56.31	10/18/2000	8:56	0.3	13.2	9	269
2000	10	76	6	4	145					10/18/2000	8:40	0.3	13.3	9	262
2000	10	77	6	4	141	41	44.46	73	56.21	10/18/2000	8:20	0.3	13	9	258

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2000	10	77	6	4	143	41	43.83	73	56.16	10/18/2000	8:27	0.3	13.1	9	257
2000	10	84	4	2	129	41	50.61	73	57.28	10/17/2000	17:09	0.3	14	9	258
2000	10	85	4	2	128					10/17/2000	16:49	0.3	14.1	9	258
2000	10	85	6	2	127	41	51.18	73	56.5	10/17/2000	16:39	0.3	13.7	8.5	258
2000	10	86	6	2	125	41	51.75	73	55.89	10/17/2000	16:26	0.3	13.8	9	266
2000	10	88	6	2	122	41	53.023	73	56.214	10/17/2000	16:14	0.3	14.1	6.8	270
2000	10	90	6	2	120	41	54.02	73	57.2	10/17/2000	16:04	0.3	13.1	9.5	251
2000	10	92	4	2	118	41	56.32	73	58.1	10/17/2000	15:47	0.3	14.2	9.5	257
2000	10	93	4	2	116	41	57.05	73	57.77	10/17/2000	15:35	0.3	13.8	9.5	247
2000	10	96	4	2	105	42	0.22	73	56.65	10/17/2000	15:09	0.3	13.7	9.7	247
2000	10	96	4	2	108	41	59.76	73	56.81	10/17/2000	15:15	0.3	13.8	9.8	247
2000	10	97	4	2	102	42	0.83	73	56.38	10/17/2000	14:50	0.3	13.3	9.8	250
2000	10	97	4	2	103	42	0.5	73	56.51	10/17/2000	15:01	0.3	14	9.5	252
2000	10	98	4	2	101	42	1.426	73	56.456	10/17/2000	14:40	0.3	13.3	9.8	254
2000	10	99	6	2	99	42	2.02	73	55.73	10/17/2000	14:15	0.3	14	9.4	252
2000	10	105	4	2	97	42	7.68	73	55.13	10/17/2000	13:39	0.3	13	10.2	335
2000	10	105	4	2	98	42	7.33	73	55.3	10/17/2000	13:53	0.3	13.6	9.9	261
2000	10	106	4	2	96	42	8.147	73	54.796	10/17/2000	13:25	0.3	13.6	9.6	343
2000	10	114	4	4	83	42	14.26	73	50.71	10/17/2000	12:59	0.3	13.3	9.9	275
2000	10	115	6	4	79	42	14.8	73	49	10/17/2000	12:47	0.3	13.1	10.3	270
2000	10	116	6	4	77	42	15.02	73	48.31	10/17/2000	12:32	0.3	13	10.2	271
2000	10	117	4	4	76	42	15.84	73	47.69	10/17/2000	12:20	0.3	13.7	10.9	273
2000	10	119	6	4	71	42	17.16	73	46.8	10/17/2000	11:53	0.3	13	10.3	264
2000	10	121	6	4	66	42	19.33	73	46.85	10/17/2000	11:36	0.3	13.5	9.6	261
2000	10	121	6	4	67	42	18.82	73	46.89	10/17/2000	11:43	0.3	13.6	9.6	261
2000	10	122	6	4	62	42	20.105	73	46.848	10/17/2000	11:23	0.3	13	9.8	264
2000	10	124	4	4	55	42	21.64	73	47.62	10/17/2000	10:56	0.3	12.9		271
2000	10	124	6	4	56	42	21.49	73	47.29	10/17/2000	11:09	0.3	12.8	9.2	272
2000	10	125	6	4	52	42	22.39	73	47.45	10/17/2000	10:45	0.3	12.9	9.2	252
2000	10	131	4	4	35	42	27.8	73	47.1	10/17/2000	10:27	0.3	13.1	9.5	264
2000	10	142	6	4	8	42	36.82	73	45.4	10/17/2000	9:42	0.3	12.2	9.6	250
2000	10	143	4	4	6	42	38.03	73	45.23	10/17/2000	9:29	0.3	12.8	9.9	233
2000	10	148	6	4	3	42	41.41	73	42.584	10/17/2000	9:15	0.3	12.1	9.4	224
2000	10	149	6	4	2	42	42	73	42.07	10/17/2000	9:02	0.3	12.2	9.1	234
2000	10	151	4	4	1	42	44.51	73	41.196	10/17/2000	8:44	0.3	12.7	9	234
2001	1	20	6	2	259	40	57.735	73	53.561	6/21/2001	11:14	0.3	21	7.2	13203
2001	1	21	6	2	257	40	59.13	73	53.13	6/21/2001	11:30	0.3	22.5	8.2	12376
2001	1	23	6	2	254	41	1.086	73	52.681	6/21/2001	11:43	0.3	22.5	8.2	12796
2001	1	24	6	2	252	41	2.057	73	52.505	6/21/2001	11:59	0.3	22.6	7.5	12769
2001	1	26	4	2	271	41	3.77	73	55.22	6/21/2001	10:50	0.3	22.6	7.9	10676
2001	1	26	6	2	247	41	3.891	73	52.077	6/21/2001	12:25	0.3	20.9	7.6	11821
2001	1	26	6	2	249	41	2.67	73	52.3	6/21/2001	12:14	0.3	21.5	7.2	11994
2001	1	27	4	2	245	41	4.19	73	55.21	6/21/2001	10:40	0.3	22.2	8	10765

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2001	1	27	4	2	272	41	4.49	73	55.14	6/21/2001	10:32	0.3	22.9	8.5	10610
2001	1	28	6	2	243	41	5.683	73	52.214	6/21/2001	12:53	0.3	20.4	7.4	11179
2001	1	29	4	2	242	41	6.1	73	54.88	6/21/2001	10:08	0.3	22.8	8.1	8547
2001	1	29	6	2	244	41	5.33	73	52.33	6/21/2001	12:42	0.3	22	8	10810
2001	1	30	4	2	241	41	7.14	73	54.77	6/21/2001	9:55	0.3	22.9	8.4	8529
2001	1	32	4	2	239	41	8.81	73	54.6	6/21/2001	9:44	0.3	22.5	8.8	7971
2001	1	35	4	2	230	41	10.59	73	56.39	6/21/2001	9:23	0.3	22.4	7.4	7147
2001	1	35	4	2	277	41	10.95	73	57.06	6/21/2001	9:08	0.3	22.4	7.8	7357
2001	1	36	4	4	226	41	11.8	73	57.5	6/21/2001	8:37	0.3	23	7.2	7162
2001	1	36	4	2	227	41	11.02	73	57.41	6/21/2001	8:59	0.3	22.6	7.8	7222
2001	1	36	4	4	281	41	11.13	73	57.16	6/21/2001	8:50	0.3	23	7.6	7370
2001	1	38	4	4	222	41	12.979	73	57.867	6/21/2001	7:33	0.3	23	7.4	6228
2001	1	38	4	4	280	41	13.4	73	57.81	6/21/2001	7:20	0.3	23.1	7.4	6215
2001	1	40	6	4	211	41	14.88	73	57.6	6/21/2001	13:51	0.3	22	8	5511
2001	1	40	6	4	213	41	14.64	73	57.15	6/21/2001	13:33	0.3	20.3	7.2	6590
2001	1	43	6	4	205	41	16.413	73	56.551	6/21/2001	14:07	0.3	21	7	2814
2001	1	49	4	4	196	41	21.16	73	57.74	6/20/2001	17:18				
2001	1	52	6	2	193	41	24.12	73	57.31	6/20/2001	17:02	0.3	24.5	7.5	1429
2001	1	55	6	4	189	41	25.66	73	58.14	6/20/2001	16:41	0.3	24.1	8.1	934
2001	1	56	4	4	187	41	26.83	74	0.5	6/20/2001	16:09	0.3	25.3	8.6	304
2001	1	59	6	4	178	41	29.25	73	59.32	6/20/2001	15:57	0.3	26	8.2	277
2001	1	60	6	4	176	41	29.57	73	59.06	6/20/2001	15:38	0.3	24.1	9.1	239
2001	1	64	4	2	164	41	33.37	73	59.18	6/20/2001	15:20	0.3	25.3	10.1	223
2001	1	68	4	4	159	41	36.49	73	57.64	6/20/2001	15:02	0.3	24.2	9.6	223
2001	1	69	6	2	156	41	37.03	73	56.88	6/20/2001	14:34	0.3	24.5	10	213
2001	1	69	6	2	158	41	36.94	73	56.81	6/20/2001	14:46	0.3	24.2	9	225
2001	1	72	4	2	151	41	40.04	73	57.11	6/20/2001	14:17	0.3	24.1	9.6	232
2001	1	74	4	2	147	41	41.29	73	56.8	6/20/2001	14:05	0.3	25.4	10.3	214
2001	1	76	4	2	144					6/20/2001	13:40	0.3	25.9	9.6	302
2001	1	76	4	2	146	41	42.94	73	56.87	6/20/2001	13:52	0.3			
2001	1	77	6	2	141	41	44.46	73	56.21	6/20/2001	12:48	0.3	25	10	208
2001	1	77	6	2	142	41	43.92	73	56.14	6/20/2001	13:05	0.3	25.1	10.1	211
2001	1	77	6	2	143	41	43.83	73	56.16	6/20/2001	13:20	0.3	25	10.2	208
2001	1	80	6	2	137	41	46.14	73	56.82	6/20/2001	12:35	0.3	23.6	9.8	216
2001	1	81	4	2	135	41	47.474	73	57.457	6/20/2001	12:18	0.3	24.1	9.8	215
2001	1	82	4	2	134	41	48.51	73	57.22	6/20/2001	12:09	0.3	25.1	10	215
2001	1	84	4	2	129	41	50.61	73	57.28	6/20/2001	11:55	0.3	25.1	9.9	215
2001	1	85	4	2	128					6/20/2001	11:42	0.3	23.8	9.6	214
2001	1	86	6	2	125	41	51.75	73	55.89	6/20/2001	11:33	0.3	24.3	9.4	220
2001	1	88	6	2	122	41	53.023	73	56.214	6/20/2001	11:20	0.3	24.1	9.6	214
2001	1	89	6	2	121	41	53.84	73	57.04	6/20/2001	11:03	0.3	24.5	9	230
2001	1	90	6	2	120	41	54.02	73	57.2	6/20/2001	10:49	0.3	24.1	9.7	212
2001	1	91	6	2	119	41	55.847	73	56.774	6/20/2001	10:36	0.3	24.3	9.1	212

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	1	92	4	4	118	41	56.32	73	58.1	6/20/2001	7:03	0.3	23.2	8.8	227
2001	1	93	4	4	116	41	57.05	73	57.77	6/20/2001	7:28	0.3	23.7	8.7	226
2001	1	93	6	2	117	41	57.036	73	56.721	6/20/2001	10:22	0.3	24.1	9.4	212
2001	1	94	4	4	113	41	58.38	73	57.25	6/20/2001	8:01	0.3	24.1	8.4	212
2001	1	94	4	4	115	41	57.78	73	57.47	6/20/2001	7:50	0.3	23.5	8.8	224
2001	1	95	4	4	111	41	59.083	73	57.079	6/20/2001	8:12	0.3	24.1	8.5	215
2001	1	95	6	4	112	41	58.238	73	56.123	6/20/2001	10:04	0.3	24.2	9.3	202
2001	1	96	4	4	105	42	0.22	73	56.65	6/20/2001	8:47	0.3	24.1	8.8	203
2001	1	96	4	4	108	41	59.76	73	56.81	6/20/2001	8:31	0.3	24.1	9.3	224
2001	1	96	4	4	110	41	59.4	73	56.94	6/20/2001	8:21	0.3	24.2	8.4	221
2001	1	97	4	4	102	42	0.83	73	56.38	6/20/2001	9:10	0.3	24.2	8.6	193
2001	1	97	4	4	103	42	0.5	73	56.51	6/20/2001	8:59	0.3	24.1	8.4	203
2001	1	98	4	4	100	42	1.67	73	56.54	6/20/2001	9:38	0.3	24.2	9.1	200
2001	1	98	4	4	101	42	1.426	73	56.456	6/20/2001	9:25	0.3	24.1	9.2	197
2001	1	99	6	4	99	42	2.02	73	55.73	6/19/2001	17:18	0.3	25.9	9.8	201
2001	1	105	4	4	97	42	7.68	73	55.13	6/19/2001	16:28	0.3	25.9	8.2	204
2001	1	105	4	4	98	42	7.33	73	55.3	6/19/2001	16:44	0.3	24.8	8.7	210
2001	1	106	4	4	96	42	8.147	73	54.796	6/19/2001	16:14	0.3	24.8	8.8	280
2001	1	113	4	2	86	42	13.12	73	51.33	6/19/2001	15:34	0.3	25.3	7.6	217
2001	1	114	4	2	81	42	14.39	73	50.549	6/19/2001	14:52	0.3	24.6	7.4	213
2001	1	114	4	2	82	42	14.31	73	50.58	6/19/2001	15:09	0.3	25.9	7.8	215
2001	1	114	6	2	84	42	14.02	73	50.18	6/19/2001	15:20	0.3	26.8	7.8	211
2001	1	116	6	2	77	42	15.02	73	48.31	6/19/2001	14:40	0.3	27.7	7.6	200
2001	1	117	4	2	76	42	15.84	73	47.69	6/19/2001	14:27	0.3	25.5	7.3	215
2001	1	118	4	2	73	42	16.76	73	47.67	6/19/2001	14:02	0.3	25	7.4	211
2001	1	118	4	2	75	42	16.12	73	47.49	6/19/2001	14:13	0.3	25.6	7.4	212
2001	1	119	6	2	69	42	17.29	73	46.78	6/19/2001	12:12	0.3	26.1	7.7	206
2001	1	119	6	2	71	42	17.16	73	46.8	6/19/2001	13:40	0.3	24.8	7.2	215
2001	1	119	6	2	72	42	16.82	73	47.28	6/19/2001	13:50	0.3	25.2	7.4	210
2001	1	121	6	2	66	42	19.33	73	46.85	6/19/2001	12:49	0.3	27	7.2	212
2001	1	121	6	2	67	42	18.82	73	46.89	6/19/2001	12:59	0.3	26.9	7.4	211
2001	1	122	4	2	63	42	19.84	73	47.18	6/19/2001	12:29	0.3	26.1	7.4	212
2001	1	122	6	4	64	42	19.9	73	46.8	6/19/2001	12:39	0.3	26.9	7	213
2001	1	123	4	2	59					6/19/2001	12:11	0.3	27	8	218
2001	1	123	4	2	60	42	20.64	73	47.39	6/19/2001	12:18	0.3	26.8	7.7	213
2001	1	124	4	2	55	42	21.64	73	47.62	6/19/2001	11:36	0.3	26.8	7.3	209
2001	1	124	6	2	57	42	21.28	73	47.32	6/19/2001	11:49	0.3	26.9	7.8	219
2001	1	125	4	2	53	42	22.27	73	47.62	6/19/2001	10:26	0.3	26	7.4	215
2001	1	126	4	2	49	42	23.4	73	47.52	6/19/2001	11:03	0.3	26.8	7	213
2001	1	126	4	2	50	42	23.21	73	47.62	6/19/2001	11:14	0.3	26	7.3	215
2001	1	129	6	4	39	42	25.879	73	46.76	6/19/2001	10:47	0.3	24.6	7	210
2001	1	131	4	4	33	42	28.06	73	47.13	6/19/2001	10:26	0.3	24.4	7.2	222
2001	1	134	4	4	28	42	30.027	73	46.913	6/19/2001	10:08	0.3	24.2	7.6	242

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2001	1	135	4	4	25	42	31.16	73	46.06	6/19/2001	9:51	0.3	24.5	7.2	219
2001	1	138	4	4	22	42	33.36	73	45.42	6/19/2001	9:29	0.3	24	7.5	214
2001	1	139	4	4	16	42	34.31	73	45.21	6/19/2001	9:05	0.3	24	7.5	213
2001	1	139	4	4	19	42	34.03	73	45.26	6/19/2001	9:18	0.3	24	7.3	220
2001	1	139	6	4	14	42	34.34	73	45.02	6/19/2001	8:53	0.3	23.5	7.4	208
2001	1	141	4	4	9					6/19/2001	8:38	0.3	23.4	7.3	209
2001	2	19	6	4	259	40	57.735	73	53.561	7/1/2001	12:40	0.3	27.4	8.9	7806
2001	2	21	6	4	257	40	59.13	73	53.13	7/1/2001	12:18	0.3	26.8	7.1	7691
2001	2	23	6	4	254	41	1.086	73	52.681	7/1/2001	11:50	0.3	26.6	6.9	7414
2001	2	24	6	4	253	41	1.169	73	52.711	7/1/2001	11:35	0.3	27.4	7.3	6962
2001	2	25	6	4	251	41	2.46	73	52.42	7/1/2001	11:20	0.3	26.5	7.1	5603
2001	2	26	6	4	247	41	3.891	73	52.077	7/1/2001	11:00	0.3	26.2	7.6	5326
2001	2	28	6	4	243	41	5.683	73	52.214	7/1/2001	10:50	0.3	27	6.3	2936
2001	2	30	4	4	241	41	7.14	73	54.77	7/1/2001	13:20	0.3	27	7.3	4781
2001	2	32	4	2	239	41	8.81	73	54.6	7/1/2001	13:47	0.3	27.6	7.2	2610
2001	2	32	4	2	240	41	8.48	73	54.42	7/1/2001	13:35	0.3	27.1	7.2	2682
2001	2	32	6	4	237	41	9.274	73	52.181	7/1/2001	10:05	0.3	27	6.5	3441
2001	2	32	6	4	238	41	8.85	73	52.123	7/1/2001	10:25	0.3	27.3	6.5	3448
2001	2	32	6	4	269	41	9.445	73	52.243	7/1/2001	9:55	0.3	27	6.4	3442
2001	2	33	6	4	236	41	9.79	73	52.202	7/1/2001	9:43	0.3	27.1	6.3	3322
2001	2	34	6	4	233	41	10.662	73	53.922	7/1/2001	9:25	0.3	26.6	6.2	2960
2001	2	35	6	4	231	41	11.23	73	53.69	7/1/2001	8:50	0.3	26.8	7.2	2674
2001	2	35	6	4	232	41	11.172	73	53.996	7/1/2001	9:05	0.3	26.8	6.4	2626
2001	2	35	6	4	275	41	11.31	73	53.54	7/1/2001	8:45	0.3	26.5	6.4	2618
2001	2	36	4	2	227	41	11.02	73	57.41	7/1/2001	14:17	0.3	27	7	1913
2001	2	36	4	2	281	41	11.13	73	57.16	7/1/2001	14:05	0.3	27	7	2199
2001	2	36	4	2	282	41	11.2	73	57.17	7/1/2001	14:30	0.3	28	7.2	1656
2001	2	39	4	2	215	41	13.62	73	58.34	7/1/2001	14:46	0.3	28.1	5.5	886
2001	2	43	6	2	204	41	16.693	73	56.484	7/1/2001	15:17	0.3	28	7	600
2001	2	44	6	2	201	41	17.74	73	56.87	7/1/2001	15:50	0.3	26.2	6.2	572
2001	2	49	4	4	196	41	21.16	73	57.74	7/3/2001	16:20	0.3	24.6		247
2001	2	52	6	4	194	41	24.12	73	56.81	7/3/2001	15:50	0.3	24.8	6.2	232
2001	2	55	6	4	189	41	25.66	73	58.14	7/3/2001	15:29	0.3	24.8	6.2	227
2001	2	58	6	4	182	41	28.2	73	59.12	7/3/2001	15:10	0.3	25	7.2	233
2001	2	59	6	4	180	41	29.08	73	59.37	7/3/2001	14:52	0.3	24.5	7.3	264
2001	2	61	4	4	174	41	31.15	74	0.37	7/3/2001	14:35	0.3	25.1	6.7	230
2001	2	62	4	4	171	41	32.19	73	59.91	7/3/2001	14:25	0.3	25.2	7.3	203
2001	2	63	6	4	168	41	32.3	73	58.633	7/3/2001	14:16	0.3	25.6	7.3	210
2001	2	64	6	2	165	41	32.66	73	58.52	7/3/2001	14:05	0.3	25.7	7.7	201
2001	2	65	4	2	162	41	33.99	73	58.39	7/3/2001	13:43	0.3	25.2	6.4	258
2001	2	69	6	2	157	41	36.97	73	56.85	7/3/2001	13:25	0.3	25.2	6.4	258
2001	2	72	4	2	151	41	40.04	73	57.11	7/3/2001	13:00	0.3	25	6.4	229
2001	2	74	6	2	149	41	41.064	73	56.289	7/3/2001	12:45	0.3	25	6.6	219

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	2	76	6	2	145					7/3/2001	12:30	0.3	25.2	6.8	220
2001	2	77	6	2	140	41	44.56	73	56.17	7/3/2001	11:58	0.3	24.9	6.4	218
2001	2	77	6	2	141	41	44.46	73	56.21	7/3/2001	12:10	0.3	24.9	6.5	218
2001	2	78	4	2	139	41	44.786	73	56.758	7/3/2001	11:50	0.3	25	6.6	216
2001	2	80	6	2	137	41	46.14	73	56.82	7/3/2001	11:35	0.3	25.1	6.4	214
2001	2	81	4	2	135	41	47.474	73	57.457	7/3/2001	11:18	0.3	25.1	6.6	249
2001	2	83	4	2	131	41	49.33	73	57.31	7/3/2001	10:53	0.3	23.6	7	226
2001	2	83	4	2	133	41	48.74	73	57.19	7/3/2001	11:04	0.3	25.3	6.8	203
2001	2	85	6	2	127	41	51.18	73	56.5	7/2/2001	10:37	0.3	24.5	7	214
2001	2	86	4	2	126	41	51.44	73	56.97	7/3/2001	10:20	0.3	24	6.9	214
2001	2	86	6	2	125	41	51.75	73	55.89	7/3/2001	10:05	0.3	23.8		215
2001	2	88	6	2	122	41	53.023	73	56.214	7/2/2001	9:46	0.3	24	7	227
2001	2	89	6	2	121	41	53.84	73	57.04	7/3/2001	9:26	0.3	24.1	6.3	217
2001	2	90	6	2	120	41	54.02	73	57.2	7/3/2001	9:10	0.3	24	6.4	218
2001	2	92	4	4	118	41	56.32	73	58.1	7/3/2001	6:35	0.3	23.9	7.5	224
2001	2	93	4	4	116	41	57.05	73	57.77	7/3/2001	7:02	0.3	23.3	7.6	227
2001	2	93	6	4	117	41	57.036	73	56.721	7/3/2001	8:50				
2001	2	94	4	4	113	41	58.38	73	57.25	7/3/2001	7:35	0.3	23.2	7.3	227
2001	2	94	4	4	115	41	57.78	73	57.47	7/3/2001	7:16	0.3	23.2	7.3	226
2001	2	94	6	4	114	41	58.085	73	56.467	7/3/2001	8:30	0.3	22.9	6.9	239
2001	2	95	4	4	111	41	59.083	73	57.079	7/3/2001	7:46	0.3	23.1	7.5	238
2001	2	95	6	4	112	41	58.238	73	56.123	7/3/2001	8:12	0.3	22.9	6.7	243
2001	2	96	4	4	105	42	0.22	73	56.65	7/2/2001	18:25	0.3	24.7	7.3	236
2001	2	96	4	4	108	41	59.76	73	56.81	7/2/2001	18:45	0.3	24.5	7.3	231
2001	2	97	4	4	102	42	0.83	73	56.38	7/2/2001	18:00	0.3	23.8	7	225
2001	2	97	4	4	103	42	0.5	73	56.51	7/2/2001	18:14	0.3	24.2	6.8	223
2001	2	98	4	4	100	42	1.67	73	56.54	7/2/2001	17:20	0.3	23.8	7.8	232
2001	2	98	4	4	101	42	1.426	73	56.456	7/2/2001	17:48	0.3	23.8	8	225
2001	2	99	6	4	99	42	2.02	73	55.73	7/2/2001	17:30	0.3	25	8.2	227
2001	2	105	4	4	97	42	7.68	73	55.13	7/2/2001	16:52	0.3	24	6.8	221
2001	2	105	4	4	98	42	7.33	73	55.3	7/2/2001	17:03	0.3	24.4	7.3	214
2001	2	106	4	4	96	42	8.147	73	54.796	7/2/2001	16:42	0.3	24.5	7	196
2001	2	114	4	4	82	42	14.31	73	50.58	7/2/2001	15:50	0.3	24	7.6	189
2001	2	114	4	4	83	42	14.26	73	50.71	7/2/2001	16:02	0.3	24	7	186
2001	2	114	6	4	85	42	13.54	73	50.75	7/2/2001	16:17	0.3	24	7	186
2001	2	115	6	2	80	42	14.8	73	49.1	7/2/2001	15:37	0.3	23.9	7.2	188
2001	2	116	6	2	77	42	15.02	73	48.31	7/2/2001	15:20	0.3	23.9	7.3	191
2001	2	117	4	2	76	42	15.84	73	47.69	7/2/2001	15:04	0.3	24.5	7.2	171
2001	2	119	4	2	70	42	17.317	73	47.373	7/2/2001	14:38	0.3	24.3	7	167
2001	2	119	4	2	72	42	16.82	73	47.28	7/2/2001	14:52	0.3	24.5	7.3	178
2001	2	119	6	2	69	42	17.29	73	46.78	7/2/2001	14:17	0.3	25.4		166
2001	2	119	6	2	71	42	17.16	73	46.8	7/2/2001	14:27	0.3	24.4	7.2	170
2001	2	121	4	2	65	42	19.307	73	47.217	7/2/2001	13:38	0.3	24.2	7	158

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2001	2	121	4	2	68	42	18.53	73	47.1	7/2/2001	14:04	0.3	24.2	6.9	158
2001	2	121	6	2	66	42	19.33	73	46.85	7/2/2001	13:45	0.3	24.6	7	163
2001	2	121	6	2	67	42	18.82	73	46.89	7/2/2001	13:55	0.3	24.2	6.8	158
2001	2	122	4	2	61	42	20.29	73	47.24	7/2/2001	13:15				
2001	2	122	4	2	63	42	19.84	73	47.18	7/2/2001	13:25	0.3	24.9	6.8	151
2001	2	124	4	2	55	42	21.64	73	47.62	7/2/2001	12:35	0.3	24	6.9	157
2001	2	124	6	2	56	42	21.49	73	47.29	7/2/2001	12:47	0.3	23.9	7	158
2001	2	124	6	2	57	42	21.28	73	47.32	7/2/2001	12:58	0.3	23.3	6.9	160
2001	2	125	6	2	54	42	22.034	73	47.302	7/2/2001	12:25	0.3	23.3	7	161
2001	2	128	6	2	43	42	25.02	73	46.62	7/2/2001	12:05	0.3	23.5	7.1	156
2001	2	131	6	2	34					7/2/2001	11:46	0.3	23.9	7.1	157
2001	2	133	4	4	29	42	29.09	73	47.273	7/2/2001	11:18	0.3	23.3	7	155
2001	2	138	4	4	20	42	33.5	73	45.35	7/2/2001	10:43	0.3	23.3	7	158
2001	2	139	6	4	17	42	34.22	73	45.02	7/2/2001	10:17	0.3	22.8	6.5	161
2001	2	140	4	4	10					7/2/2001	9:55	0.3	23.2	6.8	162
2001	2	140	6	4	12					7/2/2001	10:05	0.3	23.3	6.9	157
2001	2	143	4	4	6	42	38.03	73	45.23	7/2/2001	9:05	0.3	22.2	7.3	155
2001	2	143	6	4	7	42	37.48	73	45.14	7/2/2001	9:30	0.3	22	7.3	159
2001	2	149	6	4	2	42	42	73	42.07	7/2/2001	8:35	0.3	22.2	7.4	155
2001	2	151	4	4	1	42	44.51	73	41.196	7/2/2001	8:00	0.3	21.5	6.9	146
2001	3	20	6	4	258	40	57.73	73	53.661	7/17/2001	12:10	0.3	24.8	7.6	11202
2001	3	22	6	4	256	40	59.97	73	53.05	7/17/2001	11:50	0.3	24.8	7.6	11102
2001	3	23	6	4	254	41	1.086	73	52.681	7/17/2001	11:35	0.3	24.6	5.5	9812
2001	3	24	6	4	252	41	2.057	73	52.505	7/17/2001	11:25	0.3	24.2	7.1	11625
2001	3	26	4	4	246	41	3.6	73	55.2	7/17/2001	12:26	0.3	24.8	7	8802
2001	3	26	6	4	247	41	3.891	73	52.077	7/17/2001	10:44	0.3	24.8	7.2	8802
2001	3	26	6	4	248	41	3.273	73	52.221	7/17/2001	10:55	0.3	24.4		10085
2001	3	26	6	4	249	41	2.67	73	52.3	7/17/2001	11:04	0.3	24.4	7.1	10266
2001	3	28	6	4	243	41	5.683	73	52.214	7/17/2001	10:33	0.3	24.8	7.2	8282
2001	3	30	4	4	240	41	8.48	73	54.42	7/17/2001	13:10	0.3	26	7	7417
2001	3	30	4	4	241	41	7.14	73	54.77	7/17/2001	12:46	0.3	26	7	8393
2001	3	31	4	4	285	41	3.607	73	55.196	7/17/2001	13:00	0.3	26.6	7	7327
2001	3	32	6	4	238	41	8.85	73	52.123	7/17/2001	10:14	0.3	24.8	5.5	7812
2001	3	33	6	4	236	41	9.79	73	52.202	7/17/2001	10:00	0.3	24.8	5.6	7802
2001	3	34	6	4	233	41	10.662	73	53.922	7/17/2001	9:29	0.3	27.4	4.9	6402
2001	3	34	6	4	234	41	10.19	73	53.93	7/17/2001	9:43	0.3	27.4	5	6640
2001	3	35	5	4	274	41	11.17	73	53.71	7/17/2001	9:20	0.3	27.4	5	6165
2001	3	35	6	4	231	41	11.23	73	53.69	7/17/2001	9:15	0.3	24.7	4.9	6495
2001	3	36	6	4	228	41	12.25	73	53.5	7/17/2001	9:00	0.3	24.9	4.9	6388
2001	3	38	4	4	222	41	12.979	73	57.867	7/17/2001	13:44	0.3	26.6	7.1	6556
2001	3	38	4	4	280	41	13.4	73	57.81	7/17/2001	13:30	0.3	26.6	7	6556
2001	3	40	6	4	211	41	14.88	73	57.6	7/17/2001	13:55	0.3	25.6	6.8	9308
2001	3	42	4	4	206	41	16.412	73	58.1	7/17/2001	14:11	0.3	26	8.3	7320

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	3	43	6	4	203	41	16.91	73	56.26	7/17/2001	14:30	0.3	25.7	6.1	5911
2001	3	49	4	4	196	41	21.16	73	57.74	7/19/2001	14:52	0.3	25.3	5.4	5683
2001	3	53	4	4	192	41	24.19	73	57.95	7/19/2001	14:34	0.3	25.5	5.6	3678
2001	3	54	6	4	189	41	25.66	73	58.14	7/19/2001	14:17	0.3	25.5	5.5	3628
2001	3	57	4	4	185	41	27.68	74	0.73	7/19/2001	13:53	0.3	26	6	1815
2001	3	57	4	4	186	41	27.28	74	0.8	7/19/2001	14:01	0.3	26	6	1815
2001	3	59	6	4	177	41	29.52	73	59.24	7/19/2001	13:38	0.3	25.9	5.3	1535
2001	3	63	4	4	166					7/19/2001	13:19	0.3	26.5	5.8	350
2001	3	64	4	4	163	41	33.48	73	59.05	7/19/2001	13:05	0.3	26.1	5.8	262
2001	3	65	4	2	162	41	33.99	73	58.39	7/19/2001	12:52	0.3	26.2	5.3	243
2001	3	69	6	2	156	41	37.03	73	56.88	7/19/2001	12:12	0.3	25.7	5.5	251
2001	3	69	6	2	157	41	36.97	73	56.85	7/19/2001	12:20	0.3	25.7	5.5	251
2001	3	73	6	2	150	41	40.28	73	56.49	7/19/2001	11:52	0.3	25.6	6.2	222
2001	3	74	6	2	148	41	41.15	73	56.31	7/19/2001	11:37	0.3	25.2	5.8	224
2001	3	76	6	2	145					7/19/2001	11:20	0.3	24.8	5.6	223
2001	3	77	6	2	140	41	44.56	73	56.17	7/19/2001	11:02	0.3	24.3	5.3	220
2001	3	77	6	2	141	41	44.46	73	56.21	7/19/2001	11:10	0.3	24.3	5.2	220
2001	3	80	6	2	137	41	46.14	73	56.82	7/19/2001	10:46	0.3	24.3	5.2	217
2001	3	81	4	2	135	41	47.474	73	57.457	7/19/2001	10:32	0.3	24.7	6	209
2001	3	82	4	2	134	41	48.51	73	57.22	7/19/2001	10:14	0.3	24.2	5.7	209
2001	3	83	4	4	131	41	49.33	73	57.31	7/19/2001	9:58	0.3	24.6	6.1	200
2001	3	84	4	4	129	41	50.61	73	57.28	7/19/2001	9:46	0.3	24.3	5.9	200
2001	3	85	6	4	127	41	51.18	73	56.5	7/19/2001	9:33	0.3	24	5.4	198
2001	3	86	6	4	125	41	51.75	73	55.89	7/19/2001	9:20	0.3	23.8	5.7	200
2001	3	88	6	4	122	41	53.023	73	56.214	7/19/2001	9:05	0.3	23.9	6.1	199
2001	3	89	6	4	121	41	53.84	73	57.04	7/19/2001	8:48	0.3	23.9	5.7	195
2001	3	90	6	4	120	41	54.02	73	57.2	7/19/2001	8:38	0.3	23.9	5.6	195
2001	3	91	6	4	119	41	55.847	73	56.774	7/19/2001	8:23	0.3	23.4	5.3	195
2001	3	92	4	4	118	41	56.32	73	58.1	7/19/2001	6:35	0.3	23.6	5.6	204
2001	3	93	4	4	116	41	57.05	73	57.77	7/19/2001	6:52	0.3	23.8	5.2	199
2001	3	93	6	4	117	41	57.036	73	56.721	7/19/2001	8:06	0.3	23.8	5.4	188
2001	3	94	4	4	113	41	58.38	73	57.25	7/19/2001	7:20	0.3	23.4	5.9	185
2001	3	94	4	4	115	41	57.78	73	57.47	7/19/2001	7:07	0.3	23.3	5.9	185
2001	3	94	5	4	114	41	58.085	73	56.467	7/19/2001	7:51	0.3	23.6	5.5	191
2001	3	95	4	4	111	41	59.083	73	57.079	7/18/2001	18:15	0.3	24.6	6.5	174
2001	3	95	6	4	112	41	58.238	73	56.123	7/19/2001	7:39	0.3	23.7	5.5	178
2001	3	96	4	4	105	42	0.22	73	56.65	7/18/2001	17:50	0.3	26.5	7.2	172
2001	3	96	4	4	110	41	59.4	73	56.94	7/18/2001	18:03	0.3	24.6	6.5	174
2001	3	97	4	4	102	42	0.83	73	56.38	7/18/2001	17:28	0.3	23.9	6	174
2001	3	97	4	4	103	42	0.5	73	56.51	7/18/2001	17:40	0.3	26.5	7.2	172
2001	3	98	4	4	100	42	1.67	73	56.54	7/18/2001	17:04	0.3	24.5	6.9	173
2001	3	98	4	4	101	42	1.426	73	56.456	7/18/2001	17:13	0.3	24.5	6.9	173
2001	3	99	6	4	99	42	2.02	73	55.73	7/18/2001	16:50	0.3	25.9	7.2	173

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2001	3	105	4	4	97	42	7.68	73	55.13	7/18/2001	16:17	0.3	25.2	6.5	176
2001	3	105	4	4	98	42	7.33	73	55.3	7/18/2001	16:28	0.3	24.5	7	175
2001	3	106	4	4	96	42	8.147	73	54.796	7/18/2001	16:06	0.3	24.3	6.1	215
2001	3	110	6	4	91	42	10.9	73	51.53	7/18/2001	15:48				
2001	3	110	6	4	90	42	11.04	73	51.38	7/18/2001	15:32	0.3	26.5	7	189
2001	3	111	6	4	89					7/18/2001	15:21	0.3	25.9	7.2	190
2001	3	114	4	2	82	42	14.31	73	50.58	7/18/2001	14:40	0.3	24.2	6.4	192
2001	3	114	4	2	83	42	14.26	73	50.71	7/18/2001	14:53	0.3	24.2	7.2	191
2001	3	114	6	4	85	42	13.54	73	50.75	7/18/2001	15:08	0.3	24.5	7.7	189
2001	3	117	4	2	76	42	15.84	73	47.69	7/18/2001	14:23	0.3			
2001	3	118	4	2	75	42	16.12	73	47.49	7/18/2001	14:11	0.3	26	8.2	198
2001	3	121	4	2	65	42	19.307	73	47.217	7/18/2001	13:35	0.3	24.8	7.2	204
2001	3	121	4	2	68	42	18.53	73	47.1	7/18/2001	13:55	0.3	26.1	8	204
2001	3	121	6	2	67	42	18.82	73	46.89	7/18/2001	13:44	0.3	24.5	7	202
2001	3	122	4	2	61	42	20.29	73	47.24	7/18/2001	12:56	0.3	25.3	7.4	204
2001	3	122	4	2	63	42	19.84	73	47.18	7/18/2001	13:27	0.3	24.8	7.2	204
2001	3	122	6	2	62	42	20.105	73	46.848	7/18/2001	13:07	0.3	24.9	6.8	205
2001	3	122	6	2	64	42	19.9	73	46.8	7/18/2001	13:16	0.3	24.9	6.8	205
2001	3	123	4	2	59					7/18/2001	12:44	0.3	25.2	7.7	203
2001	3	124	4	2	58					7/18/2001	12:37	0.3	25.2	7.7	203
2001	3	124	6	2	56	42	21.49	73	47.29	7/18/2001	12:17	0.3	25.7	8.4	207
2001	3	124	6	2	57	42	21.28	73	47.32	7/18/2001	12:25	0.3	25.7	8.4	207
2001	3	129	5	2	40	42	25.67	73	46.67	7/18/2001	11:48	0.3	24	6.9	210
2001	3	129	6	2	38	42	26.05	73	46.82	7/18/2001	11:35	0.3	24	6.6	213
2001	3	131	4	2	33	42	28.06	73	47.13	7/18/2001	11:12	0.3	24.7	6.4	216
2001	3	134	4	1	27	42	30.17	73	46.88	7/18/2001	10:56	0.3	24.9	7.5	282
2001	3	137	6	4	24	42	32.262	73	45.288	7/18/2001	16:34	0.3	24.3	5.6	212
2001	3	138	4	4	22	42	33.36	73	45.42	7/18/2001	10:15	0.3	25	6.4	210
2001	3	139	4	4	19	42	34.03	73	45.26	7/18/2001	10:00	0.3	24.7	7.3	209
2001	3	143	4	4	6	42	38.03	73	45.23	7/18/2001	9:38	0.3	24.4	5.7	227
2001	3	145	6	4	4	42	39.51	73	44.09	7/18/2001	9:09	0.3	23.3	5.6	217
2001	3	145	6	4	5	42	39.19	73	44.41	7/18/2001	9:16	0.3	23.3	5.6	217
2001	3	148	6	4	3	42	41.41	73	42.584	7/18/2001	8:53	0.3	23.3	6	224
2001	3	149	6	4	2	42	42	73	42.07	7/18/2001	8:25	0.3	23.3	6	224
2001	4	14	4	1	265					7/30/2001	13:03	0.3	25.8	6.7	20490
2001	4	14	4	1	266	40	52.925	73	56.648	7/30/2001	13:23	0.3	25.2	6.8	20892
2001	4	16	4	1	263	40	54.252	73	55.961	7/30/2001	12:50	0.3	26.3	6.6	19089
2001	4	20	6	2	259	40	57.735	73	53.561	7/30/2001	13:49	0.3	25.4	6.1	19325
2001	4	22	6	2	257	40	59.13	73	53.13	7/30/2001	14:11	0.3	25.9	6.3	19040
2001	4	25	4	2	252	41	2.057	73	52.505	7/30/2001	14:57	0.3	26.8	6.5	16361
2001	4	25	6	2	253	41	1.169	73	52.711	7/30/2001	14:40	0.3	26	6.3	16718
2001	4	26	4	4	246	41	3.6	73	55.2	7/30/2001	11:24	0.3	25.3	6.9	14682
2001	4	26	4	4	250	41	2.86	73	55.07	7/30/2001	11:48	0.3	25	7.5	14892

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2001	4	26	4	2	251	41	2.46	73	52.42	7/30/2001	15:12	0.3	25.8	6.1	15816
2001	4	26	4	4	270	41	2.783	73	55.05	7/30/2001	12:08	0.3	25.4	7.1	14672
2001	4	26	4	4	271	41	3.77	73	55.22	7/30/2001	11:10	0.3	25.1	6.9	14633
2001	4	26	4	4	283	41	8.34	73	54.4	7/30/2001	11:36	0.3	25.4	7.5	14711
2001	4	26	4	4	284	41	2.57	73	54.94	7/30/2001	12:16	0.3	25.4	6.4	14691
2001	4	26	6	2	247	41	3.891	73	52.077	7/30/2001	15:47	0.3	26	6.7	16454
2001	4	26	6	2	248	41	3.273	73	52.221	7/30/2001	15:35	0.3	25.8	7.5	16708
2001	4	26	6	2	249	41	2.67	73	52.3	7/30/2001	15:25	0.3	25.8	6.6	16953
2001	4	28	4	4	245	41	4.19	73	55.21	7/30/2001	10:59	0.3	24.8	6.5	14613
2001	4	28	4	4	272	41	4.49	73	55.14	7/30/2001	10:50	0.3	24.9	7.9	14373
2001	4	29	4	4	242	41	6.1	73	54.88	7/30/2001	10:27	0.3	25	6.8	14065
2001	4	29	6	2	243	41	5.683	73	52.214	7/30/2001	16:09	0.3	26.9	9.1	10329
2001	4	29	6	2	244	41	5.33	73	52.33	7/30/2001	15:59	0.3	25.9	6.4	14894
2001	4	31	4	4	241	41	7.14	73	54.77	7/30/2001	10:11	0.3	24.7	6.5	13731
2001	4	33	4	2	239	41	8.81	73	54.6	7/30/2001	9:27	0.3	25.4	6.9	11866
2001	4	33	4	3	240	41	8.48	73	54.42	7/30/2001	9:46	0.3	2.5	7.2	21583
2001	4	33	6	2	236	41	9.79	73	52.202	7/30/2001	17:00	0.3	26.5	6.2	13399
2001	4	33	6	2	237	41	9.274	73	52.181	7/30/2001	16:40	0.3	26.5	6.3	12955
2001	4	33	6	2	238	41	8.85	73	52.123	7/30/2001	16:30	0.3	26.4	6.3	13146
2001	4	33	6	2	269	41	9.445	73	52.243	7/30/2001	16:49	0.3	26.1	6.6	13324
2001	4	35	4	4	229	41	10.59	73	56.41	8/1/2001	15:50	0.3	30	8.9	9088
2001	4	35	4	4	230	41	10.59	73	56.39	8/1/2001	15:45	0.3	30.1	8.9	8846
2001	4	35	4	4	277	41	10.95	73	57.06	8/1/2001	16:01	0.3	30.3	9.4	8425
2001	4	35	6	3	233	41	10.662	73	53.922	7/30/2001	17:23	0.3	26.8	7.2	10811
2001	4	35	6	3	274	41	11.17	73	53.71	7/30/2001	17:39	0.3	26.6	7	11058
2001	4	36	4	4	227	41	11.02	73	57.41	8/1/2001	16:14	0.3	30	8	8531
2001	4	36	4	4	281	41	11.13	73	57.16	8/1/2001	16:25	0.3	30.6	5.4	8446
2001	4	36	4	4	282	41	11.2	73	57.17	8/1/2001	16:35	0.3	30.4	6	8703
2001	4	38	4	2	224					7/30/2001	8:47	0.3	26.3	6.5	9593
2001	4	38	4	2	225	41	12.096	73	57.458	7/30/2001	8:58	0.3	26.5	6.7	10433
2001	4	38	4	3	221	41	13.43	73	57.79	8/1/2001	17:20	0.3	25.1	6.3	12883
2001	4	38	4	4	222	41	12.979	73	57.867	8/1/2001	17:10	0.3	30	7.9	8459
2001	4	38	4	4	278	41	12.96	73	57.828	8/1/2001	16:53	0.3	29.6	8.2	9017
2001	4	38	4	4	279	41	13.36	73	57.82	8/1/2001	17:00	0.3	29.6	8.6	8527
2001	4	39	4	4	215	41	13.62	73	58.34	8/1/2001	14:53				
2001	4	40	6	4	213	41	14.64	73	57.15	8/1/2001	14:30	0.3	30.8	9.1	8465
2001	4	42	6	4	207	41	15.3	73	57.8	8/1/2001	14:10	0.3	30	8	9718
2001	4	43	6	4	203	41	16.91	73	56.26	8/1/2001	13:42	0.3	28.5	6.7	6354
2001	4	43	6	4	205	41	16.413	73	56.551	8/1/2001	13:58	0.3	27.6	6.6	10240
2001	4	49	4	4	196	41	21.16	73	57.74	8/1/2001	13:16	0.3	27	7.3	4781
2001	4	51	6	4	195	41	22.87	73	50.61	8/1/2001	13:00	0.3	27.3	7.3	4277
2001	4	52	6	2	194	41	24.12	73	56.81	8/1/2001	12:22	0.3	26.5	6.2	3478
2001	4	53	4	2	192	41	24.19	73	57.95	8/1/2001	12:26	0.3	26.2	8	3975

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	4	55	6	2	189	41	25.66	73	58.14	8/1/2001	12:10	0.3	26.2	8	2517
2001	4	58	6	2	182	41	28.2	73	59.12	8/1/2001	11:54	0.3	26.7	6.9	2120
2001	4	59	6	2	179	41	29.24	73	59.34	8/1/2001	11:35	0.3	25.9	6.4	1680
2001	4	59	6	2	180	41	29.08	73	59.37	8/1/2001	11:45	0.3	26	6.5	1689
2001	4	60	6	2	177	41	29.52	73	59.24	8/1/2001	11:03	0.3	25.3	5.9	1696
2001	4	60	6	2	178	41	29.25	73	59.32	8/1/2001	11:27	0.3	25	8	1723
2001	4	61	4	2	174	41	31.15	74	0.37	8/1/2001	10:28	0.3	26.2	8	702
2001	4	63	6	2	167	41	32.41	73	58.61	8/1/2001	10:14	0.3	25.1	7.1	969
2001	4	65	4	2	162	41	33.99	73	58.39	8/1/2001	9:53	0.3	26.2	6.7	416
2001	4	69	4	2	155	41	37.44	73	57.43	8/1/2001	9:08	0.3	25.3	6.8	232
2001	4	69	6	2	157	41	36.97	73	56.85	8/1/2001	9:29	0.3	25.5	6.8	246
2001	4	76	4	2	144					8/1/2001	8:45	0.3	24.9	6.2	209
2001	4	77	6	2	142	41	43.92	73	56.14	8/1/2001	8:28	0.3	25	6.6	189
2001	4	81	4	2	135	41	47.474	73	57.457	8/1/2001	8:05	0.3	24.2	6.2	204
2001	4	82	4	4	134	41	48.51	73	57.22	8/1/2001	7:52	0.3	25.1	6.6	189
2001	4	83	6	4	132					8/1/2001	7:35	0.3	25	6.6	189
2001	4	84	4	4	129	41	50.61	73	57.28	8/1/2001	7:15	0.3	24.5	6.6	195
2001	4	86	6	4	125	41	51.75	73	55.89	7/31/2001	17:40	0.3	28	8.8	180
2001	4	87	4	4	123	41	52.616	73	57.292	7/31/2001	17:58	0.3	27.9	8	178
2001	4	89	6	4	121	41	53.84	73	57.04	7/31/2001	17:15	0.3	26.5	6.9	174
2001	4	92	4	4	118	41	56.32	73	58.1	7/31/2001	16:52	0.3	26.3	6.6	184
2001	4	93	4	4	116	41	57.05	73	57.77	7/31/2001	16:40	0.3	26	6.4	191
2001	4	95	4	4	111	41	59.083	73	57.079	7/31/2001	16:08	0.3	25.9	8.5	191
2001	4	96	4	4	105	42	0.22	73	56.65	7/31/2001	15:44	0.3	26.5	7.8	184
2001	4	96	4	4	108	41	59.76	73	56.81	7/31/2001	15:55	0.3	25.9	8.5	189
2001	4	97	4	4	102	42	0.83	73	56.38	7/31/2001	15:22	0.3	26.4	8.8	174
2001	4	97	4	4	103	42	0.5	73	56.51	7/31/2001	15:30	0.3	26.5	7.8	184
2001	4	98	4	4	100	42	1.67	73	56.54	7/31/2001	14:55	0.3	26.7	8.5	173
2001	4	98	4	4	101	42	1.426	73	56.456	7/31/2001	15:12	0.3	26.6	8.5	174
2001	4	105	4	2	98	42	7.33	73	55.3	7/31/2001	14:40	0.3	26.2	8.5	150
2001	4	106	4	2	96	42	8.147	73	54.796	7/31/2001	14:25	0.3	27	8.8	273
2001	4	108	6	2	94	42	9.56	73	53.18	7/31/2001	13:59	0.3	27.4	8.9	217
2001	4	114	4	2	82	42	14.31	73	50.58	7/31/2001	13:40	0.3	26.9	8.8	268
2001	4	116	6	2	77	42	15.02	73	48.31	7/31/2001	13:05	0.3	26.5	8.9	240
2001	4	119	4	2	72	42	16.82	73	47.28	7/31/2001	12:45	0.3	26.6	9.9	216
2001	4	119	6	2	69	42	17.29	73	46.78	7/31/2001	12:22	0.3	26.2	8.2	253
2001	4	121	4	2	65	42	19.307	73	47.217	7/31/2001	11:58	0.3	25.3	8	163
2001	4	121	4	2	68	42	18.53	73	47.1	7/31/2001	12:08	0.3	27	9	251
2001	4	122	4	2	63	42	19.84	73	47.18	7/31/2001	11:12	0.3	25.6	8.7	238
2001	4	122	6	2	62	42	20.105	73	46.848	7/31/2001	11:05	0.3	26.1	6.4	229
2001	4	124	4	2	55	42	21.64	73	47.62	7/31/2001	10:50	0.3	26.1	6.5	273
2001	4	125	4	2	50	42	23.21	73	47.62	7/31/2001	10:22	0.3	26	6.5	273
2001	4	125	6	2	54	42	22.034	73	47.302	7/31/2001	10:40	0.3	26.1	6.4	273

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	4	132	4	4	32	42	28.13	73	47.21	7/31/2001	9:50	0.3	26	6.5	273
2001	4	134	4	4	28	42	30.027	73	46.913	7/31/2001	9:25	0.3	26.1	6.5	274
2001	4	138	4	4	20	42	33.5	73	45.35	7/31/2001	8:25	0.3	24	5.6	234
2001	4	138	4	4	21	42	33.51	73	45.33	7/31/2001	8:43	0.3	24	5.9	234
2001	4	139	4	4	18	42	34.14	73	45.24	7/31/2001	8:05	0.3	24.5	5.6	235
2001	5	18	6	4	261	40	56.27	73	54.17	8/13/2001	12:38	0.3	27.2	7.8	9524
2001	5	19	6	4	259	40	57.735	73	53.561	8/13/2001	12:55	0.3	27.8	7.8	11572
2001	5	22	6	4	256	40	59.97	73	53.05	8/13/2001	13:15	0.3	28.8	8.2	10049
2001	5	23	6	2	254	41	1.086	73	52.681	8/13/2001	13:48	0.3	29	8.2	12855
2001	5	23	6	2	255	41	0.74	73	52.83	8/13/2001	13:31	0.3	28.8	8.3	9957
2001	5	24	6	2	252	41	2.057	73	52.505	8/13/2001	14:15	0.3	28.7	7.9	9146
2001	5	24	6	2	253	41	1.169	73	52.711	8/13/2001	14:02	0.3	29	10.2	12855
2001	5	25	4	4	250	41	2.86	73	55.07	8/13/2001	11:25	0.3	27.8	9.6	11384
2001	5	25	4	4	270	41	2.783	73	55.05	8/13/2001	11:40	0.3	27.7	9.3	10559
2001	5	25	4	4	284	41	2.57	73	54.94	8/13/2001	11:55	0.3	27.9	10.4	10985
2001	5	25	6	2	251	41	2.46	73	52.42	8/13/2001	14:29	0.3	27.5	8.3	9277
2001	5	26	4	4	246	41	3.6	73	55.2	8/13/2001	10:59	0.3	27.2	8.7	11524
2001	5	26	4	4	271	41	3.77	73	55.22	8/13/2001	10:52	0.3	27.2	8.7	11524
2001	5	26	4	4	283	41	8.34	73	54.4	8/13/2001	11:08	0.3	27.6	8.3	11525
2001	5	26	6	2	247	41	3.891	73	52.077	8/13/2001	14:57	0.3	28	8.3	12275
2001	5	26	6	2	248	41	3.273	73	52.221	8/13/2001	14:48	0.3	28.2	7.8	9332
2001	5	26	6	2	249	41	2.67	73	52.3	8/13/2001	14:41	0.3	28.2	8	9332
2001	5	27	4	4	245	41	4.19	73	55.21	8/13/2001	10:37	0.3	27.2	9.8	11333
2001	5	27	4	4	272	41	4.49	73	55.14	8/13/2001	10:24	0.3	27.4	9.8	11382
2001	5	28	6	2	243	41	5.683	73	52.214	8/13/2001	15:22	0.3	27.8	7.5	11102
2001	5	28	6	2	244	41	5.33	73	52.33	8/13/2001	15:15	0.3	28.3	7.5	11083
2001	5	29	4	4	242	41	6.1	73	54.88	8/13/2001	10:00	0.3	27.2	7	9524
2001	5	30	4	4	241	41	7.14	73	54.77	8/13/2001	9:47	0.3	27.2	7.2	9524
2001	5	31	4	4	285	41	3.607	73	55.196	8/13/2001	9:33	0.3	28	7.2	10214
2001	5	32	4	4	239	41	8.81	73	54.6	8/13/2001	8:49	0.3	27.8	6.5	9408
2001	5	32	4	4	240	41	8.48	73	54.42	8/13/2001	9:23	0.3	28	7.2	10120
2001	5	32	6	2	237	41	9.274	73	52.181	8/13/2001	15:48	0.3	28.3	6.6	10431
2001	5	32	6	2	238	41	8.85	73	52.123	8/13/2001	15:34	0.3	28.7	6.9	10347
2001	5	32	6	2	269	41	9.445	73	52.243	8/13/2001	15:55	0.3	28.2	6.9	10452
2001	5	34	6	2	234	41	10.19	73	53.93	8/13/2001	16:09	0.3	28	8	10307
2001	5	34	6	2	274	41	11.17	73	53.71	8/13/2001	16:29	0.3	28.6	8.2	10923
2001	5	35	4	2	277	41	10.95	73	57.06	8/15/2001	17:00	0.3	29	8.5	10101
2001	5	35	6	2	231	41	11.23	73	53.69	8/13/2001	16:41	0.3	28.6	8.2	10923
2001	5	35	6	2	275	41	11.31	73	53.54	8/13/2001	16:57	0.3	28.9	8.7	9385
2001	5	36	4	2	227	41	11.02	73	57.41	8/15/2001	16:48	0.3	29	8.5	10101
2001	5	36	4	2	281	41	11.13	73	57.16	8/15/2001	16:34	0.3	27	7.6	10614
2001	5	36	4	2	282	41	11.2	73	57.17	8/15/2001	16:40	0.3	27	7.6	10614
2001	5	36	6	2	276	41	12.17	73	53.51	8/13/2001	17:01	0.3	28.8	8.5	9312

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	5	38	4	2	222	41	12.979	73	57.867	8/15/2001	15:59	0.3	28.9	7.8	10029
2001	5	38	4	4	223	41	12.89	73	57.806	8/15/2001	16:16	0.3	30.1	7.8	9878
2001	5	38	4	2	278	41	12.96	73	57.828	8/15/2001	16:08	0.3	30.1	7.8	9878
2001	5	38	4	2	279	41	13.36	73	57.82	8/15/2001	15:51	0.3	30.1	8.6	9878
2001	5	38	4	2	280	41	13.4	73	57.81	8/15/2001	15:44	0.3	30.1	8.6	9878
2001	5	39	6	2	217	41	14.098	73	56.682	8/15/2001	15:07	0.3	31	12.2	10582
2001	5	39	6	2	219					8/15/2001	15:26	0.3	31.5	9.3	10476
2001	5	41	6	4	208	41	15.72	73	50.84	8/15/2001	14:48	0.3	30.1	6.1	9070
2001	5	43	6	4	201	41	17.74	73	56.87	8/15/2001	14:08	0.3	28.1	8	8416
2001	5	43	6	4	204	41	16.693	73	56.484	8/15/2001	14:24	0.3	29.5	8.5	7272
2001	5	49	6	4	196	41	21.16	73	57.74	8/15/2001	13:32	0.3	28	6.4	4779
2001	5	52	6	4	193	41	24.12	73	57.31	8/15/2001	12:58	0.3	28	6	4591
2001	5	52	6	4	194	41	24.12	73	56.81	8/15/2001	13:10	0.3	28	6	4591
2001	5	53	4	4	192	41	24.19	73	57.95	8/15/2001	12:40	0.3	27.8	6.7	4149
2001	5	55	6	4	189	41	25.66	73	58.14	8/15/2001	12:06	0.3	27.2	6.5	3809
2001	5	56	4	4	187	41	26.83	74	0.5	8/15/2001	11:42	0.3	27.5	7	1978
2001	5	59	6	4	178	41	29.25	73	59.32	8/15/2001	11:10	0.3	25.8	5.2	2166
2001	5	59	6	4	179	41	29.24	73	59.34	8/15/2001	11:21	0.3	25.8	5.2	2166
2001	5	60	6	2	176	41	29.57	73	59.06	8/15/2001	10:53	0.3	24.9	4.6	1697
2001	5	60	6	2	177	41	29.52	73	59.24	8/15/2001	11:00	0.3	24.9	4.6	1697
2001	5	61	4	2	174	41	31.15	74	0.37	8/15/2001	10:29	0.3	27.5	6.6	871
2001	5	63	4	2	166					8/15/2001	10:14	0.3	27.2	7.2	667
2001	5	65	4	2	162	41	33.99	73	58.39	8/15/2001	9:57	0.3	28.2	5.9	607
2001	5	72	4	2	151	41	40.04	73	57.11	8/15/2001	9:21	0.3	26.1	6.2	239
2001	5	74	6	2	148	41	41.15	73	56.31	8/15/2001	9:04	0.3	25.8	4.9	236
2001	5	76	4	2	144					8/15/2001	8:32	0.3	26.1	5.1	213
2001	5	81	4	2	135	41	47.474	73	57.457	8/15/2001	8:07	0.3	26.1	4.3	204
2001	5	82	4	2	134	41	48.51	73	57.22	8/15/2001	7:52	0.3	26.2	4.3	212
2001	5	83	4	2	133	41	48.74	73	57.19	8/15/2001	7:43	0.3	26.2	4.7	213
2001	5	84	4	2	129	41	50.61	73	57.28	8/15/2001	7:28	0.3	25	4.7	178
2001	5	85	6	4	127	41	51.18	73	56.5	8/15/2001	7:16	0.3	26.2	4.4	214
2001	5	86	6	2	125	41	51.75	73	55.89	8/15/2001	6:57	0.3	25.6	5	215
2001	5	89	6	4	121	41	53.84	73	57.04	8/15/2001	6:36	0.3	26	7.2	215
2001	5	90	6	4	120	41	54.02	73	57.2	8/15/2001	6:27	0.3	26	7.4	184
2001	5	92	4	2	118	41	56.32	73	58.1	8/14/2001	17:49	0.3	26	8.7	230
2001	5	93	4	2	116	41	57.05	73	57.77	8/14/2001	17:36	0.3	25	6.6	217
2001	5	96	4	2	110	41	59.4	73	56.94	8/14/2001	17:16	0.3	26	8	261
2001	5	97	4	4	102	42	0.83	73	56.38	8/14/2001	16:42	0.3	25.4	6.9	237
2001	5	97	4	2	103	42	0.5	73	56.51	8/14/2001	17:00	0.3	26.2	5.9	219
2001	5	98	4	4	101	42	1.426	73	56.456	8/14/2001	16:27	0.3	26.1	8.2	258
2001	5	98	6	4	100	42	1.67	73	56.54	8/14/2001	16:08	0.3	26.1	8.2	225
2001	5	99	6	4	99	42	2.02	73	55.73	8/14/2001	15:50	0.3	26	8.3	230
2001	5	105	4	4	97	42	7.68	73	55.13	8/14/2001	15:00	0.3	27.5	9.5	254

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2001	5	105	4	4	98	42	7.33	73	55.3	8/14/2001	15:17	0.3	27	8.2	279
2001	5	106	4	4	96	42	8.147	73	54.796	8/14/2001	14:45	0.3	27.2	8	308
2001	5	114	4	4	81	42	14.39	73	50.549	8/14/2001	14:01	0.3	29	9.9	250
2001	5	114	4	4	82	42	14.31	73	50.58	8/14/2001	14:18	0.3	28	7.8	248
2001	5	117	4	4	76	42	15.84	73	47.69	8/14/2001	13:40	0.3	30	9.4	253
2001	5	119	4	4	72	42	16.82	73	47.28	8/14/2001	13:27	0.3	28.1	7.2	255
2001	5	121	4	4	68	42	18.53	73	47.1	8/14/2001	13:05	0.3	28.1	7.2	261
2001	5	122	4	4	61	42	20.29	73	47.24	8/14/2001	12:17	0.3	28.5	7.6	292
2001	5	122	6	4	64	42	19.9	73	46.8	8/14/2001	12:48	0.3	28	6.8	260
2001	5	123	4	4	59					8/14/2001	11:58	0.3	27.9	6.2	254
2001	5	124	6	4	56	42	21.49	73	47.29	8/14/2001	11:24	0.3	28	7.3	273
2001	5	124	6	4	57	42	21.28	73	47.32	8/14/2001	11:35	0.3	27	7.2	261
2001	5	131	4	2	33	42	28.06	73	47.13	8/14/2001	10:57	0.3	28.2	7.3	254
2001	5	134	4	2	27	42	30.17	73	46.88	8/14/2001	10:37	0.3	27.8	7.3	294
2001	5	139	4	2	19	42	34.03	73	45.26	8/14/2001	10:10	0.3	27	6.1	269
2001	5	140	4	2	10					8/14/2001	9:48	0.3	27.1	5.9	249
2001	5	143	4	2	6	42	38.03	73	45.23	8/14/2001	9:29	0.3	27	5.2	267
2001	5	145	6	2	4	42	39.51	73	44.09	8/14/2001	8:30	0.3	26.9	5.5	231
2001	5	145	6	2	5	42	39.19	73	44.41	8/14/2001	8:59	0.3	25	7.4	244
2001	6	15	4	2	263	40	54.252	73	55.961	8/27/2001	14:08	0.3	26.8	8.7	20547
2001	6	18	4	2	260	40	56.889	73	55.1	8/27/2001	13:54	0.3	26	8.4	18933
2001	6	20	6	4	258	40	57.73	73	53.661	8/27/2001	13:33	0.3	26.3	8.4	18430
2001	6	22	6	4	256	40	59.97	73	53.05	8/27/2001	13:14	0.3	26.8	8	16707
2001	6	23	6	4	255	41	0.74	73	52.83	8/27/2001	13:03	0.3	26.2	8	16815
2001	6	24	6	2	252	41	2.057	73	52.505	8/27/2001	14:23	0.3	27	8.4	16065
2001	6	25	4	4	250	41	2.86	73	55.07	8/27/2001	12:25	0.3	26.9	9.7	15331
2001	6	25	4	4	270	41	2.783	73	55.05	8/27/2001	12:34	0.3	26.8	9.6	15458
2001	6	25	4	4	284	41	2.57	73	54.94	8/27/2001	12:43	0.3	26.7	9.9	15394
2001	6	25	6	2	251	41	2.46	73	52.42	8/27/2001	14:33	0.3	26.8	9	15939
2001	6	26	4	4	246	41	3.6	73	55.2	8/27/2001	12:07	0.3	26.4	9.2	15488
2001	6	26	4	4	271	41	3.77	73	55.22	8/27/2001	11:44	0.3	26.4	8.6	15585
2001	6	26	4	4	283	41	8.34	73	54.4	8/27/2001	12:17	0.3	26.4	8.8	15391
2001	6	26	6	2	247	41	3.891	73	52.077	8/27/2001	15:17	0.3	27	9.9	15778
2001	6	26	6	2	248	41	3.273	73	52.221	8/27/2001	15:05	0.3	27.1	9.8	15364
2001	6	26	6	2	249	41	2.67	73	52.3	8/27/2001	14:49	0.3	10	10.1	22703
2001	6	27	4	4	245	41	4.19	73	55.21	8/27/2001	11:33	0.3	27.2	9	15143
2001	6	27	4	4	272	41	4.49	73	55.14	8/27/2001	11:16	0.3	26	8.6	14737
2001	6	28	6	2	243	41	5.683	73	52.214	8/27/2001	15:46	0.3	27.2	9.8	13714
2001	6	28	6	2	244	41	5.33	73	52.33	8/27/2001	15:31	0.3	26.8	10.2	15651
2001	6	29	4	4	242	41	6.1	73	54.88	8/27/2001	11:05	0.3	26.1	8.9	13830
2001	6	30	4	4	241	41	7.14	73	54.77	8/27/2001	10:52	0.3	26.1	8	13246
2001	6	31	4	4	285	41	3.607	73	55.196	8/27/2001	10:40	0.3	26.2	8	13122
2001	6	32	4	4	239	41	8.81	73	54.6	8/27/2001	10:11	0.3	26.1	8.3	12661

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	6	32	4	4	240	41	8.48	73	54.42	8/27/2001	10:20	0.3	26.1	8.3	12759
2001	6	32	6	2	237	41	9.274	73	52.181	8/27/2001	16:09	0.3	27.1	9.8	12406
2001	6	32	6	2	238	41	8.85	73	52.123	8/27/2001	16:00	0.3	27.1	9.7	12597
2001	6	32	6	2	269	41	9.445	73	52.243	8/27/2001	16:20	0.3	27.2	10.2	12381
2001	6	33	6	2	236	41	9.79	73	52.202	8/27/2001	16:29	0.3	27	10	12431
2001	6	34	6	2	233	41	10.662	73	53.922	8/27/2001	16:51	0.3	27	10.1	13388
2001	6	34	6	2	234	41	10.19	73	53.93	8/27/2001	16:44	0.3	27	9.8	13292
2001	6	35	4	4	277	41	10.95	73	57.06	8/29/2001	16:22	0.3	28.6	9.3	9998
2001	6	35	6	2	231	41	11.23	73	53.69	8/27/2001	17:15	0.3	26.8	8.6	12866
2001	6	35	6	2	232	41	11.172	73	53.996	8/27/2001	17:05	0.3	26.9	8.4	13415
2001	6	36	4	4	281	41	11.13	73	57.16	8/29/2001	16:12	0.3	28.4	9.3	10038
2001	6	36	4	4	282	41	11.2	73	57.17	8/29/2001	16:03	0.3	28.5	9.5	9925
2001	6	37	4	4	224					8/29/2001	15:44	0.3	28.1	9.2	9819
2001	6	37	4	4	225	41	12.096	73	57.458	8/29/2001	15:54	0.3	28.6	9.6	9812
2001	6	38	4	4	222	41	12.979	73	57.867	8/29/2001	14:16	0.3	28.3	8.4	9407
2001	6	38	4	4	223	41	12.89	73	57.806	8/29/2001	15:34	0.3	28	9.1	9745
2001	6	38	4	4	278	41	12.96	73	57.828	8/29/2001	15:23	0.3	28.1	8.4	9351
2001	6	38	4	4	279	41	13.36	73	57.82	8/29/2001	15:06	0.3	28.1	8.2	9632
2001	6	38	4	4	280	41	13.4	73	57.81	8/29/2001	14:58	0.3	28.3	8.1	9407
2001	6	43	6	4	203	41	16.91	73	56.26	8/29/2001	14:31	0.3	26.9	7.9	8815
2001	6	43	6	4	205	41	16.413	73	56.551	8/29/2001	14:35	0.3	26.9	8.3	8911
2001	6	44	4	4	201	41	17.74	73	56.87	8/29/2001	14:17	0.3	27.1	8.2	7730
2001	6	46	4	4	198	41	19.7	73	59	8/29/2001	13:53	0.3	27.1	7.4	5917
2001	6	46	6	4	199	41	19.42	73	58.77	8/29/2001	14:03	0.3	27	7.4	5929
2001	6	49	4	4	196	41	21.16	73	57.74	8/29/2001	13:36	0.3	27.2	7.2	5143
2001	6	52	6	4	193	41	24.12	73	57.31	8/29/2001	13:03	0.3	27	6.8	4303
2001	6	52	6	4	194	41	24.12	73	56.81	8/29/2001	13:15	0.3	27.1	6.9	4485
2001	6	53	4	4	192	41	24.19	73	57.95	8/29/2001	12:46	0.3	26.6	7.2	4049
2001	6	55	6	4	189	41	25.66	73	58.14	8/29/2001	12:34	0.3	26.6	7.1	3953
2001	6	57	4	2	187	41	26.83	74	0.5	8/29/2001	12:09	0.3	27.1	7.8	2300
2001	6	58	4	2	184	41	27.78	74	0.7	8/29/2001	11:38	0.3	26.2	7	1963
2001	6	58	4	2	186	41	27.28	74	0.8	8/29/2001	11:48	0.3			
2001	6	59	6	2	178	41	29.25	73	59.32	8/29/2001	11:15	0.3	25.6	6.3	1722
2001	6	59	6	2	181	41	29.04	73	59.33	8/29/2001	10:24	0.3	26.3	7	1746
2001	6	61	4	2	174	41	31.15	74	0.37	8/29/2001	10:52	0.3	27	7	1148
2001	6	63	4	2	166					8/29/2001	10:19	0.3	27	6.4	1243
2001	6	69	4	2	155	41	37.44	73	57.43	8/29/2001	9:43	0.3	26.1	7.3	448
2001	6	69	6	2	157	41	36.97	73	56.85	8/29/2001	9:54	0.3	26	7.3	408
2001	6	74	4	2	147	41	41.29	73	56.8	8/29/2001	8:58	0.3	25.8	7	220
2001	6	76	4	2	144					8/29/2001	8:37	0.3	25.1	7	221
2001	6	77	6	2	142	41	43.92	73	56.14	8/29/2001	8:17	0.3	25	6	220
2001	6	82	4	4	134	41	48.51	73	57.22	8/29/2001	7:37	0.3	24.2	7.1	231
2001	6	82	6	2	137	41	46.14	73	56.82	8/29/2001	7:58	0.3	25	7	226

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	6	83	4	4	131	41	49.33	73	57.31	8/29/2001	7:15	0.3	24.3	6.8	222
2001	6	84	4	4	129	41	50.61	73	57.28	8/29/2001	7:00	0.3	24.8	7.1	222
2001	6	88	6	4	122	41	53.023	73	56.214	8/28/2001	17:30	0.3	26.1	9.4	259
2001	6	89	6	4	121	41	53.84	73	57.04	8/28/2001	17:20	0.3	26	8.9	258
2001	6	90	6	4	120	41	54.02	73	57.2	8/28/2001	17:09	0.3	26.1	9.7	274
2001	6	92	4	4	118	41	56.32	73	58.1	8/28/2001	16:40	0.3	26	10.1	247
2001	6	93	4	4	116	41	57.05	73	57.77	8/28/2001	16:32	0.3	26	10	245
2001	6	94	4	4	113	41	58.38	73	57.25	8/28/2001	16:19				
2001	6	95	4	4	111	41	59.083	73	57.079	8/28/2001	16:03	0.3	26.1	10.8	240
2001	6	96	4	4	105	42	0.22	73	56.65	8/28/2001	15:37	0.3	25.6	10	246
2001	6	96	4	4	110	41	59.4	73	56.94	8/28/2001	15:48	0.3	25.8	10.2	247
2001	6	97	4	4	102	42	0.83	73	56.38	8/28/2001	14:55	0.3	26	10.2	244
2001	6	97	4	4	103	42	0.5	73	56.51	8/28/2001	15:09	0.3	26.1	10.3	247
2001	6	98	4	4	100	42	1.67	73	56.54	8/28/2001	14:33	0.3	25.6	10	246
2001	6	98	4	4	101	42	1.426	73	56.456	8/28/2001	14:43	0.3	26.1	10	254
2001	6	99	6	4	99	42	2.02	73	55.73	8/28/2001	14:12	0.3	26.1	10	254
2001	6	113	4	4	86	42	13.12	73	51.33	8/28/2001	13:18	0.3	25.8	8.7	277
2001	6	114	4	2	82	42	14.31	73	50.58	8/28/2001	12:28	0.3	26	9	301
2001	6	114	4	2	83	42	14.26	73	50.71	8/28/2001	12:41	0.3	26	8.1	278
2001	6	114	6	2	85	42	13.54	73	50.75	8/28/2001	12:58	0.3	25.9	8.8	276
2001	6	116	6	2	77	42	15.02	73	48.31	8/28/2001	12:00	0.3	26	8.4	302
2001	6	119	6	2	69	42	17.29	73	46.78	8/28/2001	11:45	0.3	25.1	8.2	300
2001	6	121	6	2	67	42	18.82	73	46.89	8/28/2001	11:25	0.3	25.6	8.6	290
2001	6	122	6	2	62	42	20.105	73	46.848	8/28/2001	11:10	0.3	25.9	8.6	288
2001	6	123	4	2	59					8/28/2001	10:50	0.3	25.3	8.6	288
2001	6	124	6	2	56	42	21.49	73	47.29	8/28/2001	10:35	0.3	25.1	8.7	289
2001	6	127	4	2	46	42	24.35	73	47.08	8/28/2001	10:15	0.3	25.1	8.7	280
2001	6	128	4	2	44	42	25	73	46.99	8/28/2001	9:59	0.3	25	8.4	279
2001	6	129	6	2	39	42	25.879	73	46.76	8/28/2001	9:46	0.3	25.1	7.8	282
2001	6	131	4	2	33	42	28.06	73	47.13	8/28/2001	9:31	0.3	25.1	7.6	278
2001	6	137	6	2	24	42	32.262	73	45.288	8/28/2001	9:10	0.3	25	6.9	245
2001	6	139	4	4	19	42	34.03	73	45.26	8/28/2001	8:34	0.3	24.9	6.8	262
2001	6	140	4	4	13	42	34.59	73	45.25	8/28/2001	8:06	0.3	24.8	6.9	252
2001	7	48	4	4	197	41	20.86	73	58.08	9/12/2001	13:20	0.3	25.6	7	5422
2001	7	49	4	4	196	41	21.16	73	57.74	9/12/2001	13:14	0.3	25.6	7	5412
2001	7	53	6	4	191	41	24.882	73	57.554	9/12/2001	12:46	0.3	25.6	7	4920
2001	7	54	6	4	190	41	24.961	73	57.702	9/12/2001	12:39	0.3	25.7	7	4399
2001	7	55	6	4	189	41	25.66	73	58.14	9/12/2001	12:23	0.3	25.7	6.6	3610
2001	7	58	4	4	184	41	27.78	74	0.7	9/12/2001	12:03	0.3	24.6	7.1	2758
2001	7	58	6	4	182	41	28.2	73	59.12	9/12/2001	11:46	0.3	24.4	5.9	2158
2001	7	59	6	4	179	41	29.24	73	59.34	9/12/2001	11:26	0.3	23.9	6.1	2242
2001	7	59	6	4	180	41	29.08	73	59.37	9/12/2001	11:38	0.3	24.4	5.9	2155
2001	7	60	6	4	178	41	29.25	73	59.32	9/12/2001	11:18	0.3	23.8	6.1	2236

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	7	61	4	4	174	41	31.15	74	0.37	9/12/2001	10:59	0.3	25.1	7.3	1883
2001	7	62	4	4	171	41	32.19	73	59.91	9/12/2001	10:43	0.3	24.1	7	1502
2001	7	63	6	4	168	41	32.3	73	58.633	9/12/2001	10:27	0.3	24.3	6.8	1445
2001	7	64	4	2	163	41	33.48	73	59.05	9/12/2001	9:53	0.3	25.1	5.8	1374
2001	7	64	4	4	164	41	33.37	73	59.18	9/12/2001	10:12	0.3	25.1	6.4	1198
2001	7	69	4	2	155	41	37.44	73	57.43	9/12/2001	9:32	0.3	24.4	6.3	350
2001	7	81	4	2	135	41	47.474	73	57.457	9/12/2001	8:48	0.3	22.8	7	245
2001	7	83	4	2	131	41	49.33	73	57.31	9/12/2001	8:16	0.3	22.7	6.7	244
2001	7	83	5	2	133	41	48.74	73	57.19	9/12/2001	8:32	0.3	22.7	6.7	254
2001	7	84	4	2	129	41	50.61	73	57.28	9/12/2001	7:39	0.3	22	6.3	262
2001	7	85	6	2	127	41	51.18	73	56.5	9/11/2001	17:30	0.3	23.5	7.1	257
2001	7	86	6	2	125	41	51.75	73	55.89	9/11/2001	16:53	0.3	24	7	256
2001	7	89	6	4	121	41	53.84	73	57.04	9/11/2001	16:41	0.3	24.3	7.5	253
2001	7	90	6	2	120	41	54.02	73	57.2	9/11/2001	16:26	0.3	24.2	7.6	249
2001	7	92	4	4	118	41	56.32	73	58.1	9/11/2001	15:31	0.3	24.8	7	272
2001	7	93	6	4	117	41	57.036	73	56.721	9/11/2001	15:45	0.3	24.3	9.9	273
2001	7	96	4	4	105	42	0.22	73	56.65	9/11/2001	14:40	0.3	25.4	10.1	267
2001	7	96	4	4	108	41	59.76	73	56.81	9/11/2001	15:00	0.3	25.6		263
2001	7	96	4	4	110	41	59.4	73	56.94	9/11/2001	15:15	0.3	25.4	6.2	266
2001	7	97	4	4	103	42	0.5	73	56.51	9/11/2001	14:25	0.3	25	10	271
2001	7	98	4	4	100	42	1.67	73	56.54	9/11/2001	13:54	0.3	24.8	8	266
2001	7	98	4	4	101	42	1.426	73	56.456	9/11/2001	14:09	0.3	24	8.1	275
2001	7	99	6	4	99	42	2.02	73	55.73	9/11/2001	13:43	0.3	24.7	8	271
2001	7	105	4	4	97	42	7.68	73	55.13	9/11/2001	12:49	0.3	23.6	9.2	279
2001	7	105	4	4	98	42	7.33	73	55.3	9/11/2001	13:13	0.3	23.9	8	275
2001	7	112	4	4	88	42	12.69	73	51.26	9/11/2001	12:34	0.3	24.5	8	273
2001	7	114	4	4	82	42	14.31	73	50.58	9/11/2001	11:54	0.3	24.1	7.1	273
2001	7	114	4	4	83	42	14.26	73	50.71	9/11/2001	12:13	0.3	24	7.5	276
2001	7	115	6	4	80	42	14.8	73	49.1	9/11/2001	11:42	0.3	23.6	7.2	277
2001	7	116	6	4	77	42	15.02	73	48.31	9/11/2001	11:21	0.3	23.6	7.2	159
2001	7	119	6	2	69	42	17.29	73	46.78	9/11/2001	11:06	0.3	23.4	7	263
2001	7	121	6	2	66	42	19.33	73	46.85	9/11/2001	10:44	0.3	23.8	7.2	276
2001	7	122	6	2	62	42	20.105	73	46.848	9/11/2001	10:33	0.3	23.5	7	257
2001	7	124	4	2	55	42	21.64	73	47.62	9/11/2001	10:10	0.3	24	7.6	254
2001	7	124	6	2	56	42	21.49	73	47.29	9/11/2001	10:20	0.3	23.9	7.6	257
2001	7	125	6	2	54	42	22.034	73	47.302	9/11/2001	9:59	0.3	23.6	7	246
2001	7	126	4	2	48	42	23.65	73	47.38	9/11/2001	9:27	0.3	23.6	7.3	251
2001	7	126	4	2	50	42	23.21	73	47.62	9/11/2001	9:44	0.3	23.6	7	246
2001	7	128	4	2	44	42	25	73	46.99	9/11/2001	9:09	0.3	23	7	249
2001	7	129	6	2	42	42	25.226	73	46.523	9/11/2001	8:57	0.3	22.6	6.1	252
2001	7	130	4	2	37	42	26.76	73	47.22	9/11/2001	8:38	0.3	23.5	9	236
2001	7	131	4	2	33	42	28.06	73	47.13	9/11/2001	8:19	0.3	23.3	9.1	249
2001	8	18	4	2	260	40	56.889	73	55.1	9/27/2001	11:08	0.3	20.3	6.6	19407

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	8	18	6	2	261	40	56.27	73	54.17	9/27/2001	11:26	0.3	20.7	6.2	20572
2001	8	19	6	2	259	40	57.735	73	53.561	9/27/2001	10:54	0.3	20.9	6	17417
2001	8	21	6	2	257	40	59.13	73	53.13	9/27/2001	10:41	0.3	20.7	6.4	17207
2001	8	23	6	2	254	41	1.086	73	52.681	9/27/2001	10:30	0.3	20.2	8	18061
2001	8	24	6	2	252	41	2.057	73	52.505	9/27/2001	10:06	0.3	20.8	6.8	17225
2001	8	24	6	2	253	41	1.169	73	52.711	9/27/2001	10:20	0.3	21	6.4	17099
2001	8	25	4	4	250	41	2.86	73	55.07	9/27/2001	12:08	0.3	21	6.8	15800
2001	8	25	4	4	270	41	2.783	73	55.05	9/27/2001	12:02	0.3	20.1	8.5	15772
2001	8	25	6	2	251	41	2.46	73	52.42	9/27/2001	9:54	0.3	21	6.4	16764
2001	8	26	4	4	246	41	3.6	73	55.2	9/27/2001	12:34	0.3	20.2	7.6	17202
2001	8	26	4	4	271	41	3.77	73	55.22	9/27/2001	12:41	0.3	20.2	7.4	17158
2001	8	26	4	4	283	41	8.34	73	54.4	9/27/2001	12:19	0.3	20.1	7.2	17382
2001	8	26	6	2	247	41	3.891	73	52.077	9/27/2001	9:16	0.3	20.5	7.1	14414
2001	8	26	6	2	248	41	3.273	73	52.221	9/27/2001	9:26	0.3	22	6.9	14721
2001	8	26	6	2	249	41	2.67	73	52.3	9/27/2001	9:38	0.3	21	6.3	16731
2001	8	27	4	4	245	41	4.19	73	55.21	9/27/2001	12:53	0.3	20.2	7.2	17103
2001	8	27	4	4	272	41	4.49	73	55.14	9/27/2001	13:14	0.3	21.7	6.9	15805
2001	8	28	6	2	243	41	5.683	73	52.214	9/27/2001	8:35	0.3	20.9	6.4	14391
2001	8	28	6	2	244	41	5.33	73	52.33	9/27/2001	8:42	0.3	20.9	6.6	14402
2001	8	29	4	4	242	41	6.1	73	54.88	9/27/2001	13:25	0.3	22	7.5	14922
2001	8	30	4	4	240	41	8.48	73	54.42	9/27/2001	14:00	0.3	22	7	12506
2001	8	30	4	4	241	41	7.14	73	54.77	9/27/2001	13:36	0.3	22	7.5	14901
2001	8	31	4	4	285	41	3.607	73	55.196	9/27/2001	13:54	0.3	22	7	12559
2001	8	32	4	4	239	41	8.81	73	54.6	9/27/2001	14:14	0.3	22	7	11552
2001	8	32	6	2	237	41	9.274	73	52.181	9/27/2001	8:09	0.3	20.3	6.6	13454
2001	8	32	6	2	238	41	8.85	73	52.123	9/27/2001	8:18	0.3	20	6.8	13484
2001	8	32	6	2	269	41	9.445	73	52.243	9/27/2001	7:56	0.3	19.8	8	13419
2001	8	33	6	2	236	41	9.79	73	52.202	9/27/2001	7:43	0.3	19.5	7.6	13438
2001	8	35	4	2	229	41	10.59	73	56.41	9/26/2001	16:58	0.3	24.1	6.3	10786
2001	8	35	4	2	230	41	10.59	73	56.39	9/26/2001	17:03	0.3	24	6.3	10859
2001	8	35	4	2	277	41	10.95	73	57.06	9/26/2001	16:48	0.3	23.2	6.8	11681
2001	8	35	6	2	231	41	11.23	73	53.69	9/26/2001	17:30	0.3	21.5	8	12401
2001	8	35	6	2	274	41	11.17	73	53.71	9/26/2001	17:20	0.3	21.7	8	12318
2001	8	36	4	2	227	41	11.02	73	57.41	9/26/2001	16:40	0.3	23.3	6.6	11636
2001	8	36	4	2	281	41	11.13	73	57.16	9/26/2001	16:25	0.3	23.2	7	11185
2001	8	36	4	2	282	41	11.2	73	57.17	9/26/2001	16:31	0.3	23.8	7	11047
2001	8	36	6	2	228	41	12.25	73	53.5	9/26/2001	18:00	0.3	22.1	8.8	11295
2001	8	36	6	2	276	41	12.17	73	53.51	9/26/2001	17:45	0.3	22.1	8.9	11274
2001	8	38	4	2	221	41	13.43	73	57.79	9/26/2001	15:52	0.3	24.2	6.5	10410
2001	8	38	4	4	222	41	12.979	73	57.867	9/26/2001	16:10	0.3	24.4	9	10286
2001	8	38	4	2	279	41	13.36	73	57.82	9/26/2001	16:06	0.3	24.3	9.2	10307
2001	8	38	4	4	280	41	13.4	73	57.81	9/26/2001	15:58	0.3	24	6.3	10432
2001	8	39	4	4	215	41	13.62	73	58.34	9/26/2001	15:30	0.3	24.5	6.2	10084

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	8	39	4	4	216	41	13.48	73	57.84	9/26/2001	15:43	0.3	24	6.9	10066
2001	8	40	4	4	209	41	14.97	73	58	9/26/2001	15:00	0.3	23	6.9	9342
2001	8	40	4	4	214	41	14.31	73	58.5	9/26/2001	15:15	0.3	23.7	7	9679
2001	8	44	6	4	201	41	17.74	73	56.87	9/26/2001	14:34	0.3	23.3	7.8	6530
2001	8	49	4	4	196	41	21.16	73	57.74	9/26/2001	14:14	0.3	22.8	6.3	5274
2001	8	51	6	4	195	41	22.87	73	50.61	9/26/2001	14:02	0.3	22.8	6.9	5212
2001	8	53	6	4	191	41	24.882	73	57.554	9/26/2001	13:30	0.3	23	6.5	4075
2001	8	54	6	4	190	41	24.961	73	57.702	9/26/2001	13:20	0.3	22	7.5	3415
2001	8	55	6	4	189	41	25.66	73	58.14	9/26/2001	13:06	0.3	22.5	7.2	3145
2001	8	56	4	4	188	41	26.47	73	59.66	9/26/2001	12:40	0.3	22.8	7.5	2762
2001	8	57	4	4	185	41	27.68	74	0.73	9/26/2001	12:30	0.3	22.9	7.6	2658
2001	8	58	6	4	182	41	28.2	73	59.12	9/26/2001	12:11	0.3	20.8	7.8	3032
2001	8	59	6	4	179	41	29.24	73	59.34	9/26/2001	11:46	0.3	22.7	6.4	1974
2001	8	59	6	4	180	41	29.08	73	59.37	9/26/2001	11:55	0.3	22.4	6.4	1986
2001	8	61	4	4	174	41	31.15	74	0.37	9/26/2001	11:23	0.3	22.8	6.3	1924
2001	8	62	4	4	171	41	32.19	73	59.91	9/26/2001	11:06	0.3	22.7	6.4	1394
2001	8	62	6	4	170	41	31.8	73	58.98	9/26/2001	10:48	0.3	20.3	7.6	2295
2001	8	63	6	2	168	41	32.3	73	58.633	9/26/2001	10:30	0.3	20.2	7.6	2293
2001	8	74	6	2	148	41	41.15	73	56.31	9/26/2001	9:42	0.3	20.6	7.3	335
2001	8	76	6	2	145					9/26/2001	9:21	0.3	21	6.9	260
2001	8	77	6	2	141	41	44.46	73	56.21	9/26/2001	9:01	0.3	21.6	6.6	266
2001	8	78	6	2	138	41	45.18	73	56.22	9/26/2001	8:34	0.3	21	7	249
2001	8	82	4	2	134	41	48.51	73	57.22	9/26/2001	8:14	0.3	20.9	7	255
2001	8	84	4	2	129	41	50.61	73	57.28	9/26/2001	7:51	0.3	20.5	6.9	257
2001	8	85	6	2	127	41	51.18	73	56.5	9/26/2001	7:35	0.3	20.4	6.3	250
2001	8	88	6	2	122	41	53.023	73	56.214	9/25/2001	18:10	0.3	22	8	249
2001	8	90	6	2	120	41	54.02	73	57.2	9/25/2001	17:53	0.3	22	7.9	249
2001	8	92	4	2	118	41	56.32	73	58.1	9/25/2001	17:38	0.3	22.2	9.4	268
2001	8	93	4	2	116	41	57.05	73	57.77	9/25/2001	17:04	0.3	22.3	8.3	265
2001	8	93	6	2	117	41	57.036	73	56.721	9/25/2001	17:25	0.3	21.8	7.7	259
2001	8	96	4	4	105	42	0.22	73	56.65	9/25/2001	16:30	0.3	22.5	8.5	262
2001	8	96	4	2	108	41	59.76	73	56.81	9/25/2001	16:45	0.3	22.3	8	263
2001	8	97	4	4	102	42	0.83	73	56.38	9/25/2001	15:54	0.3	22.2	8.5	259
2001	8	97	4	4	103	42	0.5	73	56.51	9/25/2001	16:12	0.3	22.4	8.8	271
2001	8	98	4	4	101	42	1.426	73	56.456	9/25/2001	15:32	0.3	22	8	244
2001	8	99	6	4	99	42	2.02	73	55.73	9/25/2001	15:05	0.3	22.2	8.7	271
2001	8	105	4	4	97	42	7.68	73	55.13	9/25/2001	14:20	0.3	22	7.4	319
2001	8	105	4	4	98	42	7.33	73	55.3	9/25/2001	14:37	0.3	22	7	244
2001	8	106	4	4	96	42	8.147	73	54.796	9/25/2001	14:05	0.3	22	7.4	327
2001	8	114	4	4	83	42	14.26	73	50.71	9/25/2001	13:28	0.3	21.8	7.4	256
2001	8	115	6	4	79	42	14.8	73	49	9/25/2001	13:16	0.3	21.9	7.4	258
2001	8	116	6	4	77	42	15.02	73	48.31	9/25/2001	12:49	0.3	21.5	8	246
2001	8	117	4	4	76	42	15.84	73	47.69	9/25/2001	12:20	0.3	21.5	7	257

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2001	8	119	6	2	71	42	17.16	73	46.8	9/25/2001	12:05	0.3	21.4	8	243
2001	8	121	6	2	66	42	19.33	73	46.85	9/25/2001	11:43	0.3	21.3	8	247
2001	8	121	6	2	67	42	18.82	73	46.89	9/25/2001	11:52	0.3	21.8	7.4	241
2001	8	122	6	2	62	42	20.105	73	46.848	9/25/2001	11:24	0.3	21.4	8.4	248
2001	8	124	4	2	55	42	21.64	73	47.62	9/25/2001	10:54	0.3	21.5	7	242
2001	8	124	6	2	56	42	21.49	73	47.29	9/25/2001	11:08	0.3	21.7	5.8	253
2001	8	125	6	2	52	42	22.39	73	47.45	9/25/2001	10:37	0.3	21.5	7.2	247
2001	8	127	6	2	47	42	23.853	73	46.901	9/25/2001	10:17	0.3	21.5	7	241
2001	8	131	4	2	33	42	28.06	73	47.13	9/25/2001	9:52	0.3	21.2	7.8	248
2001	8	131	4	2	35	42	27.8	73	47.1	9/25/2001	10:05	0.3	21.5	6.9	242
2001	8	139	4	2	15	42	34.32	73	45.25	9/25/2001	9:00	0.3	21.6	8	246
2001	8	139	6	2	17	42	34.22	73	45.02	9/25/2001	9:36	0.3	21.4	7.9	252
2001	8	140	6	2	11					9/25/2001	8:50	0.3	21.5	8	255
2001	9	18	4	4	260	40	56.889	73	55.1	10/11/2001	12:40	0.3	18.6	7.5	17958
2001	9	19	6	4	259	40	57.735	73	53.561	10/11/2001	12:24	0.3	17.7	7.5	20956
2001	9	20	6	4	258	40	57.73	73	53.661	10/11/2001	12:03	0.3	18.7	6.8	17624
2001	9	23	6	4	254	41	1.086	73	52.681	10/11/2001	11:31	0.3	17.3	7.6	16068
2001	9	23	6	4	255	41	0.74	73	52.83	10/11/2001	11:40	0.3	17.6	8.5	17220
2001	9	24	6	4	252	41	2.057	73	52.505	10/11/2001	11:07	0.3	18	8.6	15030
2001	9	24	6	4	253	41	1.169	73	52.711	10/11/2001	11:19	0.3	17.5	8.4	15299
2001	9	25	4	4	250	41	2.86	73	55.07	10/11/2001	13:35	0.3	18.3	11.2	14762
2001	9	25	4	4	270	41	2.783	73	55.05	10/11/2001	13:22	0.3	18.2	8.9	14874
2001	9	25	4	4	284	41	2.57	73	54.94	10/11/2001	13:11	0.3	18	9.8	14765
2001	9	25	6	4	251	41	2.46	73	52.42	10/11/2001	10:56	0.3	17.7	8	15906
2001	9	26	4	2	246	41	3.6	73	55.2	10/11/2001	13:54	0.3	18.4	11.1	14490
2001	9	26	4	2	271	41	3.77	73	55.22	10/11/2001	13:59	0.3	18.2	9.9	12944
2001	9	26	4	4	283	41	8.34	73	54.4	10/11/2001	13:41	0.3	18.5	10.7	14664
2001	9	26	6	4	247	41	3.891	73	52.077	10/11/2001	10:24	0.3	16.7	8.5	14879
2001	9	26	6	4	248	41	3.273	73	52.221	10/11/2001	10:35	0.3	17.3	7.4	17497
2001	9	26	6	4	249	41	2.67	73	52.3	10/11/2001	10:44	0.3	17.3	7.1	17450
2001	9	27	4	2	245	41	4.19	73	55.21	10/11/2001	14:03	0.3	18.4	10.7	14352
2001	9	28	6	4	243	41	5.683	73	52.214	10/11/2001	9:48	0.3	16	8	13833
2001	9	28	6	4	244	41	5.33	73	52.33	10/11/2001	9:56	0.3	16.2	7.8	14312
2001	9	29	4	2	242	41	6.1	73	54.88	10/11/2001	14:28	0.3	19.5	10.8	14142
2001	9	30	4	2	241	41	7.14	73	54.77	10/11/2001	14:35	0.3	19.5	11.2	12969
2001	9	31	4	2	285	41	3.607	73	55.196	10/11/2001	14:45	0.3	19.1	9.2	13857
2001	9	32	4	2	239	41	8.81	73	54.6	10/11/2001	15:00	0.3	19	8.5	11855
2001	9	32	4	2	240	41	8.48	73	54.42	10/11/2001	14:52	0.3	19.2	10.2	13974
2001	9	32	6	4	237	41	9.274	73	52.181	10/11/2001	9:16	0.3	16.2	8.4	14132
2001	9	32	6	4	238	41	8.85	73	52.123	10/11/2001	9:22	0.3	16	8	13351
2001	9	32	6	4	269	41	9.445	73	52.243	10/11/2001	9:05	0.3	16.5	7.3	11894
2001	9	33	6	4	236	41	9.79	73	52.202	10/11/2001	8:57	0.3	16.6	7.7	11773
2001	9	35	4	2	229	41	10.59	73	56.41	10/10/2001	18:20	0.3	19.6	7.6	11314

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	9	35	4	2	277	41	10.95	73	57.06	10/10/2001	18:13	0.3	19	7.3	10895
2001	9	35	6	4	231	41	11.23	73	53.69	10/11/2001	8:28	0.3	15.8	8.2	11280
2001	9	36	4	2	226	41	11.8	73	57.5	10/10/2001	17:40	0.3	19.6	8.8	10300
2001	9	36	4	2	227	41	11.02	73	57.41	10/10/2001	18:03	0.3	19.4	7.4	10176
2001	9	36	4	2	281	41	11.13	73	57.16	10/10/2001	17:55	0.3	19	7.4	10522
2001	9	36	4	2	282	41	11.2	73	57.17	10/10/2001	17:46	0.3	19.6	7.6	10311
2001	9	36	6	4	228	41	12.25	73	53.5	10/11/2001	8:03	0.3	15.6	7.4	11038
2001	9	36	6	4	276	41	12.17	73	53.51	10/11/2001	8:12	0.3	15.6	7.2	11099
2001	9	37	4	2	225	41	12.096	73	57.458	10/10/2001	17:28	0.3	20	8.4	10069
2001	9	38	4	2	222	41	12.979	73	57.867	10/10/2001	16:50	0.3	20.6	8.2	10477
2001	9	38	4	2	223	41	12.89	73	57.806	10/10/2001	17:05	0.3	20.5	8.3	10434
2001	9	38	4	2	278	41	12.96	73	57.828	10/10/2001	16:58	0.3	20.6	8.7	9495
2001	9	38	4	2	279	41	13.36	73	57.82	10/10/2001	16:40	0.3	20.6	8.9	10182
2001	9	40	6	2	210	41	14.87	73	57.74	10/10/2001	16:10	0.3	20.5	8.5	9777
2001	9	40	6	2	213	41	14.64	73	57.15	10/10/2001	16:25	0.3	20	9.1	9793
2001	9	42	4	4	206	41	16.412	73	58.1	10/10/2001	15:40	0.3	21.5	9.1	9638
2001	9	44	6	4	201	41	17.74	73	56.87	10/10/2001	14:50	0.3	20	8.8	7561
2001	9	44	6	4	202	41	17.12	73	55.98	10/10/2001	14:36	0.3	20.7	8.7	7765
2001	9	52	6	4	193	41	24.12	73	57.31	10/10/2001	13:47	0.3	19.2	7.4	4261
2001	9	52	6	4	194	41	24.12	73	56.81	10/10/2001	13:55	0.3	19	7.4	4297
2001	9	53	4	4	192	41	24.19	73	57.95	10/10/2001	13:30	0.3	18.9	7.8	3822
2001	9	53	6	2	191	41	24.882	73	57.554	10/10/2001	13:18	0.3	18.6	9.1	3195
2001	9	55	6	2	189	41	25.66	73	58.14	10/10/2001	13:01	0.3	18.8	8	3276
2001	9	58	4	4	183	41	28.02	74	0.87	10/10/2001	12:39	0.3	20.2	9.3	2637
2001	9	58	4	4	184	41	27.78	74	0.7	10/10/2001	12:49	0.3	20.1	9.1	2632
2001	9	59	6	4	181	41	29.04	73	59.33	10/10/2001	12:18	0.3	17	8.6	2263
2001	9	60	6	4	176	41	29.57	73	59.06	10/10/2001	11:59	0.3	17.3	8.6	2145
2001	9	60	6	4	177	41	29.52	73	59.24	10/10/2001	12:09	0.3	17.4	9.1	2224
2001	9	61	4	4	174	41	31.15	74	0.37	10/10/2001	11:18	0.3	18.4	9.1	1711
2001	9	62	6	4	172	41	31.54	73	58.97	10/10/2001	11:04	0.3	18.4	8.9	958
2001	9	63	6	4	166					10/10/2001	10:50	0.3	18.2	8.2	811
2001	9	64	4	4	164	41	33.37	73	59.18	10/10/2001	10:32	0.3	18.4	8.4	862
2001	9	69	6	4	158	41	36.94	73	56.81	10/10/2001	10:12	0.3	18.4	8.4	421
2001	9	73	6	4	150	41	40.28	73	56.49	10/10/2001	9:37	0.3	17.4	8.6	291
2001	9	77	6	4	143	41	43.83	73	56.16	10/10/2001	9:16	0.3	17.9	9.3	260
2001	9	78	6	2	138	41	45.18	73	56.22	10/10/2001	9:00	0.3	17.3	8.3	255
2001	9	81	6	2	136					10/10/2001	8:40	0.3	16.8	8.7	257
2001	9	82	4	2	134	41	48.51	73	57.22	10/10/2001	8:20	0.3	17.4	8.2	257
2001	9	85	6	2	127	41	51.18	73	56.5	10/10/2001	8:00	0.3	17.3	8.8	254
2001	9	86	6	2	125	41	51.75	73	55.89	10/10/2001	7:47	0.3	16.2	8.4	258
2001	9	89	6	2	121	41	53.84	73	57.04	10/9/2001	16:57	0.3	17.3	8.9	267
2001	9	90	6	2	120	41	54.02	73	57.2	10/9/2001	16:52	0.3	17.6	9.6	257
2001	9	91	6	2	119	41	55.847	73	56.774	10/9/2001	16:31	0.3	17.5	8.5	257

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	9	93	6	2	117	41	57.036	73	56.721	10/9/2001	16:14	0.3	17.1	8.9	256
2001	9	95	6	2	112	41	58.238	73	56.123	10/9/2001	15:44	0.3	17.3	8.8	253
2001	9	95	6	2	114	41	58.085	73	56.467	10/9/2001	15:56	0.3	17.7	8.4	253
2001	9	96	4	2	108	41	59.76	73	56.81	10/9/2001	15:18	0.3	17.6	11.1	250
2001	9	96	4	2	110	41	59.4	73	56.94	10/9/2001	15:25	0.3	17.3	9.4	255
2001	9	96	6	4	106	42	59.99	73	55.94	10/9/2001	15:02	0.3	17	9.2	259
2001	9	97	4	4	102	42	0.83	73	56.38	10/9/2001	14:50	0.3	16.2	9	252
2001	9	97	6	4	104	42	0.26	73	55.792	10/9/2001	14:55	0.3	17.1	8.7	247
2001	9	98	4	4	100	42	1.67	73	56.54	10/9/2001	14:30	0.3	16.5	8.8	246
2001	9	105	4	4	98	42	7.33	73	55.3	10/9/2001	14:00	0.3	16.9	10	234
2001	9	108	6	4	94	42	9.56	73	53.18	10/9/2001	13:38	0.3	17	9.2	242
2001	9	109	6	4	92	42	10.27	73	52.32	10/9/2001	13:20	0.3	16.9	8.8	235
2001	9	113	4	4	86	42	13.12	73	51.33	10/9/2001	13:00	0.3	17.3	9	237
2001	9	114	4	4	81	42	14.39	73	50.549	10/9/2001	12:20	0.3	17	9.3	237
2001	9	114	4	4	83	42	14.26	73	50.71	10/9/2001	12:40	0.3	17.3	9.1	239
2001	9	115	6	4	80	42	14.8	73	49.1	10/9/2001	12:09	0.3	16.9	9	237
2001	9	117	4	4	76	42	15.84	73	47.69	10/9/2001	11:38	0.3	16.5	10.4	246
2001	9	119	6	4	71	42	17.16	73	46.8	10/9/2001	11:25	0.3	15.1	10.4	243
2001	9	121	6	4	66	42	19.33	73	46.85	10/9/2001	11:08	0.3	15	11.2	245
2001	9	122	4	4	61	42	20.29	73	47.24	10/9/2001	10:53	0.3	15.9	8.6	249
2001	9	125	4	2	51	42	22.87	73	47.8	10/9/2001	10:28	0.3	15.5	10.3	251
2001	9	128	6	2	43	42	25.02	73	46.62	10/9/2001	10:11	0.3	15.3	10	252
2001	9	129	6	2	39	42	25.879	73	46.76	10/9/2001	9:53	0.3	16	8.1	254
2001	9	132	6	2	31	42	28.65	73	47.09	10/9/2001	9:36	0.3	15.3	8.5	259
2001	9	134	4	2	27	42	30.17	73	46.88	10/9/2001	9:03	0.3	15.8	8.2	236
2001	9	138	4	2	23	42	33.14	73	45.46	10/9/2001	8:40	0.3	15.4	5.7	216
2001	9	139	4	2	19	42	34.03	73	45.26	10/9/2001	8:23	0.3	15.4	5.6	217
2001	10	14	4	4	265					10/25/2001	12:06	0.3	18.8	8.9	17915
2001	10	14	4	4	266	40	52.925	73	56.648	10/25/2001	12:29	0.3	18.5		17688
2001	10	18	4	4	260	40	56.889	73	55.1	10/25/2001	11:55	0.3	18.5	9.3	17574
2001	10	19	6	4	259	40	57.735	73	53.561	10/25/2001	11:33	0.3	17.6	9.1	18616
2001	10	20	6	4	258	40	57.73	73	53.661	10/25/2001	11:16	0.3	17.6	9.8	17453
2001	10	24	6	2	252	41	2.057	73	52.505	10/25/2001	10:51	0.3	17.4	8.9	16711
2001	10	24	6	2	253	41	1.169	73	52.711	10/25/2001	10:59	0.3	17.4	9	16828
2001	10	25	4	4	250	41	2.86	73	55.07	10/25/2001	13:27	0.3	18.4	10.5	14753
2001	10	25	4	4	270	41	2.783	73	55.05	10/25/2001	13:13	0.3	18.1	9.5	14848
2001	10	25	4	4	284	41	2.57	73	54.94	10/25/2001	13:05	0.3	18.1	9.6	14848
2001	10	25	6	2	251	41	2.46	73	52.42	10/25/2001	10:43	0.3	17.5	9.2	16558
2001	10	26	4	4	246	41	3.6	73	55.2	10/25/2001	13:49	0.3	18.6	9.9	14348
2001	10	26	4	4	271	41	3.77	73	55.22	10/25/2001	13:56	0.3	18.6	9.6	14348
2001	10	26	4	4	283	41	8.34	73	54.4	10/25/2001	13:39	0.3	18.8	9.6	14513
2001	10	26	6	2	247	41	3.891	73	52.077	10/25/2001	10:12	0.3	17.5	8.8	15275
2001	10	26	6	2	248	41	3.273	73	52.221	10/25/2001	10:29	0.3	17.6	8.8	15708

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	10	26	6	2	249	41	2.67	73	52.3	10/25/2001	10:34	0.3	17.6	8.9	18151
2001	10	27	4	4	245	41	4.19	73	55.21	10/25/2001	14:06	0.3	18.6	10.5	14348
2001	10	28	6	2	243	41	5.683	73	52.214	10/25/2001	9:31	0.3	17.5	9.3	14109
2001	10	28	6	2	244	41	5.33	73	52.33	10/25/2001	9:40	0.3	17.3	8.9	14171
2001	10	29	4	4	242	41	6.1	73	54.88	10/25/2001	14:29	0.3	19	9.4	12532
2001	10	30	4	4	241	41	7.14	73	54.77	10/25/2001	14:36	0.3	18.9	9.5	12559
2001	10	31	4	4	285	41	3.607	73	55.196	10/25/2001	14:45	0.3	19	9.5	12758
2001	10	32	4	4	239	41	8.81	73	54.6	10/25/2001	14:59	0.3	19.4	8.9	11194
2001	10	32	4	4	240	41	8.48	73	54.42	10/25/2001	14:50	0.3	18.9	8.8	12785
2001	10	32	6	2	237	41	9.274	73	52.181	10/25/2001	9:09	0.3	18	8.6	11650
2001	10	32	6	2	238	41	8.85	73	52.123	10/25/2001	9:16	0.3	18.1	8.6	11510
2001	10	32	6	2	269	41	9.445	73	52.243	10/25/2001	8:58	0.3	18.3	8.4	11002
2001	10	33	6	2	236	41	9.79	73	52.202	10/25/2001	8:51	0.3	18.3	8.6	10888
2001	10	34	6	2	274	41	11.17	73	53.71	10/24/2001	16:21	0.3	18.4	9.3	11551
2001	10	35	4	2	229	41	10.59	73	56.41	10/24/2001	16:40	0.3	19	9.2	10613
2001	10	35	4	2	277	41	10.95	73	57.06	10/24/2001	16:48	0.3	19	8.8	11064
2001	10	35	6	2	231	41	11.23	73	53.69	10/24/2001	16:09	0.3	18.8	9.3	11679
2001	10	35	6	2	275	41	11.31	73	53.54	10/24/2001	16:03	0.3	18.9	9.5	11654
2001	10	36	4	2	281	41	11.13	73	57.16	10/24/2001	17:02	0.3	19.7	8.9	10345
2001	10	36	6	2	228	41	12.25	73	53.5	10/24/2001	15:41	0.3	19.4	10.8	11866
2001	10	36	6	2	276	41	12.17	73	53.51	10/24/2001	15:46	0.3	19.4	9.9	11866
2001	10	38	4	2	223	41	12.89	73	57.806	10/24/2001	17:11	0.3	19.7	8.6	9121
2001	10	38	4	2	278	41	12.96	73	57.828	10/24/2001	17:20	0.3	19.7	8.8	9121
2001	10	38	4	2	221	41	13.43	73	57.79	10/25/2001	8:02	0.3	18.7	8.1	9658
2001	10	38	4	2	222	41	12.979	73	57.867	10/25/2001	8:27	0.3	18.5	8.8	9928
2001	10	38	4	2	279	41	13.36	73	57.82	10/25/2001	8:19	0.3	18.6	8.5	9793
2001	10	38	4	2	280	41	13.4	73	57.81	10/25/2001	8:08	0.3	18.7	8.3	9658
2001	10	39	6	2	218	41	14.02	73	56.4	10/24/2001	15:20	0.3	20	9.2	10942
2001	10	40	6	2	213	41	14.64	73	57.15	10/24/2001	15:07	0.3	20.7	8.5	10673
2001	10	42	4	2	206	41	16.412	73	58.1	10/24/2001	14:48	0.3	19	8.4	9145
2001	10	43	6	2	203	41	16.91	73	56.26	10/24/2001	14:38	0.3	19.3	8.2	8414
2001	10	46	4	2	200					10/24/2001	14:17	0.3	18.4	8.4	7777
2001	10	49	4	2	196	41	21.16	73	57.74	10/24/2001	13:53	0.3	18.4	9	7319
2001	10	51	6	2	195	41	22.87	73	50.61	10/24/2001	13:38	0.3	19.1	8.3	6985
2001	10	52	6	2	193	41	24.12	73	57.31	10/24/2001	13:15	0.3	18.4	9	4975
2001	10	52	6	2	194	41	24.12	73	56.81	10/24/2001	13:22	0.3	18.4	9.1	4975
2001	10	53	4	2	192	41	24.19	73	57.95	10/24/2001	13:00	0.3	18.1	9	4719
2001	10	57	4	2	186	41	27.28	74	0.8	10/24/2001	12:19	0.3	17.8	9.7	2722
2001	10	59	6	2	178	41	29.25	73	59.32	10/24/2001	11:51	0.3	17.6	8.9	2769
2001	10	59	6	2	180	41	29.08	73	59.37	10/24/2001	12:00	0.3	17.6	8.9	2781
2001	10	59	6	2	181	41	29.04	73	59.33	10/24/2001	12:09	0.3	17.6	9.1	2792
2001	10	60	6	2	177	41	29.52	73	59.24	10/24/2001	11:40	0.3	17.5	9	2694
2001	10	61	4	2	174	41	31.15	74	0.37	10/24/2001	11:21	0.3	17.9	8.5	1861

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2001	10	62	6	4	172	41	31.54	73	58.97	10/24/2001	11:05	0.3	17.5	9.3	1609
2001	10	63	6	4	169	41	32.07	73	58.83	10/24/2001	10:57	0.3	17.5	9.5	1574
2001	10	66	6	4	161	41	34.88	73	56.84	10/24/2001	10:40	0.3	17.3	7.9	1077
2001	10	71	4	4	153	41	39.06	73	57.257	10/24/2001	10:00	0.3	17.4	8.2	401
2001	10	76	4	4	144					10/24/2001	9:35	0.3	17	8.3	404
2001	10	77	6	4	140	41	44.56	73	56.17	10/24/2001	9:17	0.3	17.1	7.3	476
2001	10	77	6	4	143	41	43.83	73	56.16	10/24/2001	9:26	0.3	17.3	7.5	475
2001	10	80	6	4	137	41	46.14	73	56.82	10/24/2001	8:53	0.3	16.6	8.1	345
2001	10	81	4	4	135	41	47.474	73	57.457	10/24/2001	8:40	0.3	15.6	9.3	390
2001	10	83	4	4	133	41	48.74	73	57.19	10/24/2001	8:23	0.3	15.8	9.3	378
2001	10	86	6	4	125	41	51.75	73	55.89	10/24/2001	8:10	0.3	15.3	9.9	417
2001	10	88	6	4	122	41	53.023	73	56.214	10/24/2001	7:56	0.3	15.6	9.5	404
2001	10	89	6	4	121	41	53.84	73	57.04	10/23/2001	17:40	0.3	15.6	9.5	309
2001	10	90	6	4	120	41	54.02	73	57.2	10/23/2001	17:25	0.3	15.2	10.2	307
2001	10	91	6	4	119	41	55.847	73	56.774	10/23/2001	17:05	0.3	15.6	9.3	305
2001	10	94	4	4	115	41	57.78	73	57.47	10/23/2001	16:35	0.3	15.1	9.7	294
2001	10	95	4	4	111	41	59.083	73	57.079	10/23/2001	16:16	0.3	15.6	9.1	304
2001	10	96	4	4	105	42	0.22	73	56.65	10/23/2001	15:55	0.3	15.5	8.9	296
2001	10	96	4	4	108	41	59.76	73	56.81	10/23/2001	16:09	0.3	15.2	10	298
2001	10	97	4	4	102	42	0.83	73	56.38	10/23/2001	15:27	0.3	14.9	9.6	299
2001	10	97	4	4	103	42	0.5	73	56.51	10/23/2001	15:35	0.3	15	9.3	303
2001	10	98	4	2	100	42	1.67	73	56.54	10/23/2001	14:52	0.3	15.1	10.2	310
2001	10	98	4	2	101	42	1.426	73	56.456	10/23/2001	15:02	0.3	15.3	11.6	312
2001	10	106	6	2	96	42	8.147	73	54.796	10/23/2001	14:30	0.3	14.8	9.6	303
2001	10	107	4	2	95	42	8.94	73	54.32	10/23/2001	14:20	0.3	14.8	10.2	309
2001	10	110	6	2	90	42	11.04	73	51.38	10/23/2001	13:56	0.3	15	9.9	308
2001	10	111	6	2	89					10/23/2001	13:41	0.3	15.1	9.4	306
2001	10	114	4	2	83	42	14.26	73	50.71	10/23/2001	13:18	0.3	14.8	10.1	298
2001	10	114	6	2	84	42	14.02	73	50.18	10/23/2001	13:40	0.3	14.3	11.2	300
2001	10	116	4	2	78					10/23/2001	12:58	0.3	14.7	11.8	291
2001	10	119	4	2	72	42	16.82	73	47.28	10/23/2001	12:38	0.3	15	11	290
2001	10	121	6	2	66	42	19.33	73	46.85	10/23/2001	12:08	0.3	14.9	11.4	294
2001	10	123	4	2	60	42	20.64	73	47.39	10/23/2001	11:54	0.3	14.7	11.5	289
2001	10	124	6	2	57	42	21.28	73	47.32	10/23/2001	11:40	0.3	14.5	11.6	289
2001	10	132	4	2	30					10/23/2001	10:45	0.3	13.7	10.7	289
2001	10	139	4	2	18	42	34.14	73	45.24	10/23/2001	10:20	0.3	13	11.1	303
2001	10	142	6	2	8	42	36.82	73	45.4	10/23/2001	10:00	0.3	13	11.7	308
2001	10	145	6	2	4	42	39.51	73	44.09	10/23/2001	9:42	0.3	12.9	11.7	297
2001	10	148	6	2	3	42	41.41	73	42.584	10/23/2001	9:31	0.3	13	11.2	282
2001	10	149	6	2	2	42	42	73	42.07	10/23/2001	9:20	0.3	12.7	11.5	284
2001	10	152	6	2	1	42	44.51	73	41.196	10/23/2001	9:10	0.3	13.2	11.2	280
2002	1	18	4	4	260	40	56.889	73	55.1	6/18/2002	11:30	0.3	21.4	6.4	6482
2002	1	20	6	4	258	40	57.73	73	53.661	6/18/2002	10:58	0.3	21.4	6.4	6761

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	1	23	6	4	255	41	0.74	73	52.83	6/18/2002	10:46	0.3	21.4	6.8	5978
2002	1	24	6	4	252	41	2.057	73	52.505	6/18/2002	10:17	0.3	20.9	7.3	5216
2002	1	25	6	4	251	41	2.46	73	52.42	6/18/2002	9:57	0.3	20.9	6.6	5021
2002	1	26	4	4	271	41	3.77	73	55.22	6/18/2002	12:11	0.3	22.9	7.5	4336
2002	1	26	6	4	247	41	3.891	73	52.077	6/18/2002	9:27	0.3	20.3	7.7	3812
2002	1	26	6	4	249	41	2.67	73	52.3	6/18/2002	9:41	0.3	20.7	7.3	4400
2002	1	28	6	4	243	41	5.683	73	52.214	6/18/2002	9:04	0.3	20.4	7.1	2705
2002	1	28	6	4	244	41	5.33	73	52.33	6/18/2002	8:57	0.3	20.4	7.1	2705
2002	1	29	4	4	242	41	6.1	73	54.88	6/18/2002	12:34	0.3	24	8.1	2888
2002	1	31	4	4	285	41	3.607	73	55.196	6/18/2002	12:56	0.3	23.9	8.3	1961
2002	1	32	6	4	238	41	8.85	73	52.123	6/18/2002	8:34	0.3	21.1	6.8	2113
2002	1	33	6	4	236	41	9.79	73	52.202	6/18/2002	8:23	0.3	20.7	6.8	1961
2002	1	35	4	4	229	41	10.59	73	56.41	6/18/2002	13:22	0.3	22.9	7.6	671
2002	1	35	4	2	277	41	10.95	73	57.06	6/18/2002	13:38	0.3	23.2	8.6	709
2002	1	35	6	2	231	41	11.23	73	53.69	6/18/2002	7:54	0.3	20.3	7.2	1593
2002	1	35	6	2	275	41	11.31	73	53.54	6/18/2002	8:03	0.3	20.3	7.2	1593
2002	1	36	6	2	228	41	12.25	73	53.5	6/18/2002	7:28	0.3	20.2	6.9	1470
2002	1	36	6	2	276	41	12.17	73	53.51	6/18/2002	7:40	0.3	20.2	6.9	1470
2002	1	38	4	2	280	41	13.4	73	57.81	6/18/2002	13:54	0.3	25	8	501
2002	1	39	4	2	215	41	13.62	73	58.34	6/18/2002	14:08	0.3	23.6	7.3	390
2002	1	43	6	2	205	41	16.413	73	56.551	6/18/2002	14:34	0.3	22.9	8.3	271
2002	1	46	6	2	199	41	19.42	73	58.77	6/18/2002	14:57	0.3	20.4	8.6	209
2002	1	49	6	2	196	41	21.16	73	57.74	6/18/2002	15:11	0.3	20.9	7.8	208
2002	1	52	6	2	194	41	24.12	73	56.81	6/18/2002	15:30	0.3	20.7	8.7	209
2002	1	55	6	2	189	41	25.66	73	58.14	6/18/2002	15:43	0.3	21.4	7.7	214
2002	1	56	4	2	188	41	26.47	73	59.66	6/18/2002	16:02	0.3	22	8.5	212
2002	1	57	4	2	185	41	27.68	74	0.73	6/18/2002	16:17	0.3	23.9	8.4	259
2002	1	58	4	2	182	41	28.2	73	59.12	6/18/2002	16:30	0.3	22.6	8.5	261
2002	1	62	4	2	171	41	32.19	73	59.91	6/21/2002	11:47	0.3	22.4	9.4	232
2002	1	63	6	2	167	41	32.41	73	58.61	6/21/2002	11:34	0.3	22.3	9.4	233
2002	1	63	6	2	169	41	32.07	73	58.83	6/21/2002	11:40	0.3	22.5	9.3	232
2002	1	64	4	2	164	41	33.37	73	59.18	6/21/2002	11:20	0.3	22.3	9.4	232
2002	1	68	4	2	159	41	36.49	73	57.64	6/21/2002	10:19	0.3	21.1	7.8	221
2002	1	69	6	2	157	41	36.97	73	56.85	6/21/2002	10:06	0.3	21.2	7.9	205
2002	1	74	6	2	148	41	41.15	73	56.31	6/21/2002	9:35	0.3	21	7.3	205
2002	1	74	6	2	149	41	41.064	73	56.289	6/21/2002	9:53	0.3	21	7.3	205
2002	1	81	4	2	135	41	47.474	73	57.457	6/21/2002	9:08	0.3	21	8	197
2002	1	81	6	2	136					6/21/2002	9:18	0.3	21	7.9	196
2002	1	82	4	2	134	41	48.51	73	57.22	6/21/2002	9:00	0.3	20	7.7	199
2002	1	83	4	2	131	41	49.33	73	57.31	6/21/2002	8:50	0.3	21.1	7.8	194
2002	1	84	4	2	129	41	50.61	73	57.28	6/21/2002	8:25	0.3	20.6	7.6	195
2002	1	84	6	2	130	41	50.19	73	56.63	6/21/2002	8:40	0.3	21	7.9	196
2002	1	85	4	2	128					6/21/2002	8:18	0.3	20.6	7.5	196

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	1	85	6	2	127	41	51.18	73	56.5	6/21/2002	8:30	0.3	20.5	7.8	197
2002	1	86	4	2	126	41	51.44	73	56.97	6/21/2002	8:05	0.3	20.5	7.5	192
2002	1	86	6	2	125	41	51.75	73	55.89	6/21/2002	7:55	0.3	20.5	7.6	194
2002	1	88	6	2	122	41	53.023	73	56.214	6/21/2002	7:45	0.3	20.4	8	193
2002	1	89	6	2	121	41	53.84	73	57.04	6/21/2002	7:35	0.3	20.7	8.2	215
2002	1	90	6	2	120	41	54.02	73	57.2	6/21/2002	7:23	0.3	20.6	8.3	214
2002	1	92	4	2	118	41	56.32	73	58.1	6/20/2002	6:59	0.3	19.9	6.4	222
2002	1	93	4	2	116	41	57.05	73	57.77	6/20/2002	7:16	0.3	20.4	6.4	195
2002	1	93	6	2	117	41	57.036	73	56.721	6/21/2002	7:13	0.3	20.7	8.3	213
2002	1	94	4	2	113	41	58.38	73	57.25	6/20/2002	7:32	0.3	20.5	7.2	195
2002	1	94	6	2	114	41	58.085	73	56.467	6/21/2002	7:00	0.3	20.5	6.9	246
2002	1	95	4	2	111	41	59.083	73	57.079	6/20/2002	7:45	0.3	20.7	7.4	195
2002	1	95	6	2	112	41	58.238	73	56.123	6/21/2002	6:54	0.3	20.5	6.9	246
2002	1	96	4	2	105	42	0.22	73	56.65	6/20/2002	8:18	0.3	20.2	8.5	196
2002	1	96	4	2	108	41	59.76	73	56.81	6/20/2002	8:10	0.3	20.7	8.3	196
2002	1	96	4	2	110	41	59.4	73	56.94	6/20/2002	8:02	0.3	20.7	8.3	196
2002	1	97	4	2	102	42	0.83	73	56.38	6/20/2002	8:37	0.3	20.5	7.9	196
2002	1	97	4	2	103	42	0.5	73	56.51	6/20/2002	8:28	0.3	20.2	8.5	196
2002	1	98	4	2	100	42	1.67	73	56.54	6/20/2002	8:50	0.3	21.4	8	197
2002	1	98	4	2	101	42	1.426	73	56.456	6/20/2002	8:56	0.3	21.4	8	197
2002	1	99	6	4	99	42	2.02	73	55.73	6/19/2002	17:24	0.3	23.6	8.5	200
2002	1	105	4	4	97	42	7.68	73	55.13	6/19/2002	16:47	0.3	22.5	8.1	219
2002	1	105	4	4	98	42	7.33	73	55.3	6/19/2002	17:01	0.3	21.9	7.8	205
2002	1	106	4	4	96	42	8.147	73	54.796	6/19/2002	16:34	0.3	23	8.1	219
2002	1	112	4	4	88	42	12.69	73	51.26	6/19/2002	15:39	0.3	22.6	9.8	208
2002	1	113	4	4	86	42	13.12	73	51.33	6/19/2002	15:26	0.3	20.9	7.5	214
2002	1	114	4	4	82	42	14.31	73	50.58	6/19/2002	15:01	0.3	21.5	8.5	213
2002	1	114	6	4	84	42	14.02	73	50.18	6/19/2002	15:13	0.3	22.2	8.6	212
2002	1	115	6	4	79	42	14.8	73	49	6/19/2002	14:36	0.3	21.7	7.9	214
2002	1	115	6	4	80	42	14.8	73	49.1	6/19/2002	14:49	0.3	21.7	7.9	214
2002	1	116	6	4	77	42	15.02	73	48.31	6/19/2002	14:22	0.3	21.6	8.2	216
2002	1	117	4	4	76	42	15.84	73	47.69	6/19/2002	14:03	0.3	22.5	7.3	218
2002	1	119	4	4	70	42	17.317	73	47.373	6/19/2002	13:37	0.3	22.4	7.9	220
2002	1	119	6	2	69	42	17.29	73	46.78	6/19/2002	13:46	0.3	23.6	8.9	216
2002	1	119	6	2	71	42	17.16	73	46.8	6/19/2002	13:57	0.3	23.6	8.9	216
2002	1	121	4	4	65	42	19.307	73	47.217	6/19/2002	13:03	0.3	20.9	8.3	221
2002	1	121	4	4	68	42	18.53	73	47.1	6/19/2002	13:19	0.3	22.2	8.9	222
2002	1	122	4	4	61	42	20.29	73	47.24	6/19/2002	12:30	0.3	21	8	222
2002	1	122	6	4	62	42	20.105	73	46.848	6/19/2002	12:39	0.3	22.4	7.9	219
2002	1	122	6	4	64	42	19.9	73	46.8	6/19/2002	12:50	0.3	21	8.2	219
2002	1	124	4	2	55	42	21.64	73	47.62	6/19/2002	11:56	0.3	21.5	8.7	227
2002	1	124	6	2	56	42	21.49	73	47.29	6/19/2002	12:06	0.3	21.2	8.4	220
2002	1	124	6	4	57	42	21.28	73	47.32	6/19/2002	12:16	0.3	20.3	8.3	221

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	1	125	6	2	54	42	22.034	73	47.302	6/19/2002	11:43	0.3	20.7	7.8	224
2002	1	128	6	2	43	42	25.02	73	46.62	6/19/2002	11:25	0.3	27.1	8.7	201
2002	1	129	6	2	39	42	25.879	73	46.76	6/19/2002	11:14	0.3	19.9	8.2	235
2002	1	130	4	2	37	42	26.76	73	47.22	6/19/2002	11:02	0.3	21	9.1	241
2002	1	139	4	2	18	42	34.14	73	45.24	6/19/2002	10:20	0.3	20.2	7.9	236
2002	1	139	4	2	19	42	34.03	73	45.26	6/19/2002	10:27	0.3	20.2	7.9	236
2002	1	142	6	2	8	42	36.82	73	45.4	6/19/2002	10:02	0.3	20.2	8.9	204
2002	1	145	6	2	4	42	39.51	73	44.09	6/19/2002	9:32	0.3	19.2	8.2	185
2002	1	145	6	2	5	42	39.19	73	44.41	6/19/2002	9:42	0.3	19.2	8.4	185
2002	1	148	6	4	3	42	41.41	73	42.584	6/19/2002	9:17	0.3	19.1	8.6	183
2002	1	149	6	4	2	42	42	73	42.07	6/19/2002	9:05	0.3	18.7	8.5	165
2002	1	151	4	4	1	42	44.51	73	41.196	6/19/2002	8:42	0.3	19.9	8.2	289
2002	2	18	4	4	260	40	56.889	73	55.1	7/3/2002	11:06	0.3	29	6.3	4070
2002	2	19	6	4	259	40	57.735	73	53.561	7/3/2002	11:23	0.3	28.2	6.8	6411
2002	2	23	6	4	254	41	1.086	73	52.681	7/3/2002	10:29	0.3	26.9	8.2	4040
2002	2	24	6	4	252	41	2.057	73	52.505	7/3/2002	10:05	0.3	27.3	9	3461
2002	2	25	6	4	251	41	2.46	73	52.42	7/3/2002	9:56	0.3	27.2	8.3	3419
2002	2	26	4	4	271	41	3.77	73	55.22	7/3/2002	11:59	0.3	29.1	6.5	1554
2002	2	26	6	4	248	41	3.273	73	52.221	7/3/2002	9:29	0.3	27.2	6.9	3357
2002	2	26	6	4	249	41	2.67	73	52.3	7/3/2002	9:38	0.3	27.3	7.7	3157
2002	2	28	6	4	243	41	5.683	73	52.214	7/3/2002	9:02	0.3	27	6.9	2219
2002	2	28	6	4	244	41	5.33	73	52.33	7/3/2002	9:09	0.3	27	6.9	2219
2002	2	30	4	2	241	41	7.14	73	54.77	7/3/2002	12:56	0.3	30.8	8.2	1275
2002	2	32	6	4	238	41	8.85	73	52.123	7/3/2002	8:42	0.3	27.2	7.3	1014
2002	2	32	6	4	269	41	9.445	73	52.243	7/3/2002	8:30	0.3	26.8	6.6	1148
2002	2	33	6	4	236	41	9.79	73	52.202	7/3/2002	8:12	0.3	27.1	6.9	862
2002	2	34	6	4	233	41	10.662	73	53.922	7/3/2002	7:52	0.3	27	7	739
2002	2	35	4	2	230	41	10.59	73	56.39	7/3/2002	13:19	0.3	29.2	7.6	499
2002	2	35	6	4	274	41	11.17	73	53.71	7/3/2002	7:36	0.3	27.5	7.5	405
2002	2	36	4	2	226	41	11.8	73	57.5	7/3/2002	13:37	0.3	29.2	7.6	499
2002	2	36	6	4	276	41	12.17	73	53.51	7/3/2002	7:13	0.3	27.2	5.7	297
2002	2	38	4	2	222	41	12.979	73	57.867	7/3/2002	13:44	0.3	30.1	6.9	531
2002	2	38	6	4	220					7/3/2002	6:58	0.3	27.1	5.9	305
2002	2	43	4	2	202	41	17.12	73	55.98	7/3/2002	14:54	0.3	32.3	8.3	235
2002	2	46	4	2	200					7/3/2002	14:29	0.3	26.2	6.8	218
2002	2	46	6	2	199	41	19.42	73	58.77	7/3/2002	14:12	0.3	25.3	6.6	212
2002	2	49	4	2	196	41	21.16	73	57.74	7/2/2002	17:52	0.3	24.8	7	214
2002	2	51	6	2	195	41	22.87	73	50.61	7/2/2002	17:34	0.3	26.1	6.8	213
2002	2	52	6	2	193	41	24.12	73	57.31	7/2/2002	17:19	0.3	24.8	6.6	214
2002	2	56	4	2	187	41	26.83	74	0.5	7/2/2002	16:50	0.3	25.4	7	211
2002	2	56	4	2	188	41	26.47	73	59.66	7/2/2002	17:00	0.3	25.2	7.1	207
2002	2	57	4	2	185	41	27.68	74	0.73	7/2/2002	16:38	0.3	28.3	9.7	210
2002	2	64	4	2	164	41	33.37	73	59.18	7/2/2002	16:07	0.3	26.4	7.3	207

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	2	66	4	2	160	41	34.777	73	57.753	7/2/2002	15:49	0.3	29	8.6	205
2002	2	68	4	2	159	41	36.49	73	57.64	7/2/2002	15:02	0.3	25.9	6.8	243
2002	2	69	6	2	156	41	37.03	73	56.88	7/2/2002	14:45	0.3	25.9	6.8	243
2002	2	69	6	2	158	41	36.94	73	56.81	7/2/2002	14:59	0.3	25.9	6.8	243
2002	2	71	4	2	153	41	39.06	73	57.257	7/2/2002	14:28	0.3	25.5	8.2	208
2002	2	74	4	4	147	41	41.29	73	56.8	7/2/2002	14:08				
2002	2	76	4	4	144					7/2/2002	13:49	0.3	27.2	7.9	215
2002	2	77	6	4	141	41	44.46	73	56.21	7/2/2002	13:20	0.3	25.8	6.8	217
2002	2	77	6	4	142	41	43.92	73	56.14	7/2/2002	13:31	0.3	25.8	6.8	217
2002	2	80	6	4	137	41	46.14	73	56.82	7/2/2002	12:59	0.3	25.2	6.7	218
2002	2	82	4	4	134	41	48.51	73	57.22	7/2/2002	12:36	0.3	26.3	6.4	220
2002	2	83	6	4	132					7/2/2002	12:19	0.3	27	7.8	222
2002	2	84	4	4	129	41	50.61	73	57.28	7/2/2002	12:12	0.3	27	7.8	222
2002	2	84	6	4	130	41	50.19	73	56.63	7/2/2002	11:56	0.3	26.2	7.7	222
2002	2	85	4	4	128					7/2/2002	11:47	0.3	26.2	7.7	222
2002	2	86	6	4	125	41	51.75	73	55.89	7/2/2002	11:35	0.3	26.3	7.3	220
2002	2	88	6	4	122	41	53.023	73	56.214	7/2/2002	11:09	0.3	25.8	8	220
2002	2	89	6	4	121	41	53.84	73	57.04	7/2/2002	11:01	0.3	25.8	8	220
2002	2	90	6	4	120	41	54.02	73	57.2	7/2/2002	10:49	0.3	26.3	7.8	215
2002	2	91	6	4	119	41	55.847	73	56.774	7/2/2002	10:40	0.3	26.3	7.8	215
2002	2	92	4	2	118	41	56.32	73	58.1	7/2/2002	7:22	0.3	24.8	6.4	220
2002	2	93	4	4	116	41	57.05	73	57.77	7/2/2002	7:36	0.3	25.1	7.5	209
2002	2	93	6	4	117	41	57.036	73	56.721	7/2/2002	10:12	0.3	25.7	7.6	210
2002	2	94	4	4	113	41	58.38	73	57.25	7/2/2002	7:59	0.3	25.2	7.5	205
2002	2	94	4	4	115	41	57.78	73	57.47	7/2/2002	7:49	0.3	24.9	7.4	207
2002	2	95	4	4	111	41	59.083	73	57.079	7/2/2002	8:12	0.3	25.3	7.2	205
2002	2	96	4	4	105	42	0.22	73	56.65	7/2/2002	8:47	0.3	25.2	8	200
2002	2	96	4	4	108	41	59.76	73	56.81	7/2/2002	8:35	0.3	25.1	7.4	202
2002	2	96	4	4	110	41	59.4	73	56.94	7/2/2002	8:29	0.3	25.1	7.4	202
2002	2	96	6	4	106	42	59.99	73	55.94	7/2/2002	9:28	0.3	25.4	7.8	206
2002	2	96	6	4	107	41	59.89	73	55.93	7/2/2002	9:45	0.3	25.3	7.5	205
2002	2	96	6	4	109	41	59.43	73	56.012	7/2/2002	9:56	0.3	25.4	7.8	206
2002	2	97	4	4	102	42	0.83	73	56.38	7/2/2002	9:08	0.3	25.4	7.1	203
2002	2	97	4	4	103	42	0.5	73	56.51	7/2/2002	8:53	0.3	25.2	8	200
2002	2	97	6	4	104	42	0.26	73	55.792	7/2/2002	9:20	0.3	25.3	7.7	204
2002	2	98	4	2	100	42	1.67	73	56.54	7/1/2002	17:38	0.3	25.6	7.1	201
2002	2	98	4	2	101	42	1.426	73	56.456	7/1/2002	17:49	0.3	25.6	7.1	201
2002	2	99	6	2	99	42	2.02	73	55.73	7/1/2002	17:19	0.3	26.4	7.4	203
2002	2	115	6	2	79	42	14.8	73	49	7/1/2002	15:58	0.3	27.4	7.1	224
2002	2	116	4	2	78					7/1/2002	15:51	0.3	27.4	7.1	224
2002	2	116	6	4	77	42	15.02	73	48.31	7/1/2002	15:32	0.3	27.4	8.5	213
2002	2	117	5	4	76	42	15.84	73	47.69	7/1/2002	15:05	0.3	28.5	7.2	223
2002	2	118	4	4	73	42	16.76	73	47.67	7/1/2002	14:36	0.3	26	7	227

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	2	118	4	4	74	42	16.42	73	47.92	7/1/2002	14:44	0.3	26	7	227
2002	2	118	5	4	75	42	16.12	73	47.49	7/1/2002	14:50	0.3	28.5	7.2	223
2002	2	119	4	4	70	42	17.317	73	47.373	7/1/2002	14:07	0.3	28.4	4.9	212
2002	2	119	4	4	72	42	16.82	73	47.28	7/1/2002	14:28	0.3	26	7	227
2002	2	119	6	4	69	42	17.29	73	46.78	7/1/2002	14:01	0.3	28.6	5.1	211
2002	2	119	6	2	70	42	17.317	73	47.373	7/5/2002	6:34	0.3	25.3	7.6	202
2002	2	121	6	4	66	42	19.33	73	46.85	7/1/2002	13:40	0.3	26.3	6.2	228
2002	2	121	6	4	67	42	18.82	73	46.89	7/1/2002	13:48	0.3	26.3	6.2	228
2002	2	122	4	4	63	42	19.84	73	47.18	7/1/2002	13:19	0.3	26.6	7	227
2002	2	122	6	4	64	42	19.9	73	46.8	7/1/2002	13:28	0.3	26	6	227
2002	2	123	4	4	59					7/1/2002	12:55	0.3	25.2	6.4	224
2002	2	123	4	4	60	42	20.64	73	47.39	7/1/2002	13:06	0.3	26.3	6.3	229
2002	2	124	6	4	56	42	21.49	73	47.29	7/1/2002	12:32	0.3	25.7	6.7	226
2002	2	124	6	4	57	42	21.28	73	47.32	7/1/2002	12:46	0.3	26	6.3	228
2002	2	129	4	4	39	42	25.879	73	46.76	7/1/2002	12:13	0.3	25.4	6.7	216
2002	2	130	6	4	36					7/1/2002	11:58	0.3	25.5	7.3	219
2002	2	131	4	4	33	42	28.06	73	47.13	7/1/2002	11:36	0.3	25	5.6	227
2002	2	133	4	4	29	42	29.09	73	47.273	7/1/2002	11:10	0.3	25.2	6.7	228
2002	2	134	4	4	27	42	30.17	73	46.88	7/1/2002	10:44	0.3	25.1	6.9	226
2002	2	134	4	4	28	42	30.027	73	46.913	7/1/2002	11:01	0.3	25.2	6.7	228
2002	2	135	4	4	25	42	31.16	73	46.06	7/1/2002	10:26	0.3	24.7	6.2	215
2002	2	138	4	4	22	42	33.36	73	45.42	7/1/2002	9:50	0.3	24.4	6.7	212
2002	2	139	4	2	16	42	34.31	73	45.21	7/1/2002	8:51	0.3	24.2	6.6	211
2002	2	139	4	2	18	42	34.14	73	45.24	7/1/2002	9:03	0.3	24.2	6.6	211
2002	2	139	4	2	19	42	34.03	73	45.26	7/1/2002	9:13	0.3	24.2	6.6	211
2002	2	139	6	2	17	42	34.22	73	45.02	7/1/2002	9:27	0.3	24.5	6.7	209
2002	3	18	6	4	261	40	56.27	73	54.17	7/16/2002	10:48	0.3	24.9	6.8	20612
2002	3	20	6	4	258	40	57.73	73	53.661	7/16/2002	10:31	0.3	24.2	5.7	18835
2002	3	22	6	4	256	40	59.97	73	53.05	7/16/2002	9:52	0.3	24.3	5.5	17674
2002	3	24	6	4	252	41	2.057	73	52.505	7/16/2002	9:37	0.3	24.3	5.5	17442
2002	3	25	6	4	251	41	2.46	73	52.42	7/16/2002	9:23	0.3	24.1	5.9	17077
2002	3	26	4	4	246	41	3.6	73	55.2	7/16/2002	11:22	0.3	26.2	8	15833
2002	3	26	4	4	271	41	3.77	73	55.22	7/16/2002	11:39	0.3	26.2	8.6	15357
2002	3	26	6	4	248	41	3.273	73	52.221	7/16/2002	8:57	0.3	24.2	5.8	16050
2002	3	26	6	4	249	41	2.67	73	52.3	7/16/2002	9:08	0.3	24.4	6.9	16377
2002	3	28	6	4	243	41	5.683	73	52.214	7/16/2002	8:22	0.3	24.1	6	14541
2002	3	30	4	4	241	41	7.14	73	54.77	7/16/2002	12:16	0.3	27.1	8.4	14238
2002	3	31	4	2	285	41	3.607	73	55.196	7/16/2002	12:40	0.3	26.7	6.9	12277
2002	3	32	4	2	240	41	8.48	73	54.42	7/16/2002	12:48	0.3	26.7	6.9	12277
2002	3	33	6	4	236	41	9.79	73	52.202	7/16/2002	7:52	0.3	24.9	5.6	12507
2002	3	35	4	2	277	41	10.95	73	57.06	7/16/2002	13:44	0.3	27.6	9.6	11062
2002	3	35	6	2	231	41	11.23	73	53.69	7/16/2002	13:21	0.3	28.1	8.4	11493
2002	3	35	6	2	274	41	11.17	73	53.71	7/16/2002	13:09	0.3	28.1	8.4	11493

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	3	36	4	2	226	41	11.8	73	57.5	7/16/2002	14:02	0.3	27.2	6.4	11238
2002	3	36	4	2	281	41	11.13	73	57.16	7/16/2002	13:55	0.3	27.2	6.4	11238
2002	3	38	4	2	222	41	12.979	73	57.867	7/16/2002	14:23	0.3	27.8	6.3	9916
2002	3	38	4	2	223	41	12.89	73	57.806	7/16/2002	14:28	0.3	27.8	6.3	9916
2002	3	39	6	4	218	41	14.02	73	56.4	7/16/2002	7:25	0.3	25.8	5.3	11014
2002	3	40	4	2	209	41	14.97	73	58	7/16/2002	14:43	0.3	27.7	8.7	7797
2002	3	43	6	2	203	41	16.91	73	56.26	7/16/2002	15:18	0.3	27.4	8.1	7854
2002	3	49	4	2	196	41	21.16	73	57.74	7/16/2002	15:53	0.3	25.8	6.3	4116
2002	3	51	6	2	195	41	22.87	73	50.61	7/16/2002	16:17	0.3	25.7	6.2	3802
2002	3	53	4	2	192	41	24.19	73	57.95	7/16/2002	16:40	0.3	25.4	6	3756
2002	3	56	4	4	188	41	26.47	73	59.66	7/16/2002	17:04	0.3	26.4	7.2	1837
2002	3	57	4	4	185	41	27.68	74	0.73	7/16/2002	17:56	0.3	26.2	6.4	1929
2002	3	57	4	4	186	41	27.28	74	0.8	7/16/2002	17:30	0.3	26.4	7.2	1837
2002	3	65	4	4	162	41	33.99	73	58.39	7/17/2002	7:02	0.3	25.2	6.5	694
2002	3	66	4	4	160	41	34.777	73	57.753	7/17/2002	7:07	0.3	25.3	5.9	369
2002	3	69	6	3	156	41	37.03	73	56.88	7/17/2002	7:50				
2002	3	69	6	3	157	41	36.97	73	56.85	7/17/2002	7:38	0.3	25.3	5.7	304
2002	3	71	4	3	153	41	39.06	73	57.257	7/17/2002	8:11	0.3	25.3	6	230
2002	3	73	6	3	150	41	40.28	73	56.49	7/17/2002	8:24	0.3	25.5	5.2	249
2002	3	74	6	3	148	41	41.15	73	56.31	7/17/2002	8:49	0.3	25.5	5.7	231
2002	3	76	6	3	145					7/17/2002	9:05	0.3	25.1	5	220
2002	3	77	6	4	141	41	44.46	73	56.21	7/17/2002	9:45	0.3	25.5	4.9	220
2002	3	77	6	3	143	41	43.83	73	56.16	7/17/2002	9:31	0.3	25.4	5.7	219
2002	3	78	6	4	138	41	45.18	73	56.22	7/17/2002	10:01	0.3	25.4	5.5	217
2002	3	81	6	4	136					7/17/2002	10:25	0.3	25.8	5.4	210
2002	3	82	4	4	134	41	48.51	73	57.22	7/17/2002	10:37	0.3	26.1	6.6	216
2002	3	83	4	4	131	41	49.33	73	57.31	7/17/2002	10:56	0.3	26	5.5	212
2002	3	84	4	4	129	41	50.61	73	57.28	7/17/2002	11:26	0.3	26.4	6.6	210
2002	3	85	4	4	128					7/17/2002	12:07	0.3	26.7	6.9	211
2002	3	86	4	4	126	41	51.44	73	56.97	7/17/2002	12:53	0.3	26.7	6.7	211
2002	3	86	6	4	125	41	51.75	73	55.89	7/17/2002	12:36	0.3	26.2	6.6	204
2002	3	88	6	4	122	41	53.023	73	56.214	7/17/2002	13:01	0.3	26.7	6.7	211
2002	3	89	6	4	121	41	53.84	73	57.04	7/17/2002	13:19	0.3	27.1	7	210
2002	3	90	6	2	120	41	54.02	73	57.2	7/17/2002	13:38	0.3	26	6.3	211
2002	3	91	6	2	119	41	55.847	73	56.774	7/17/2002	13:55	0.3	27	6.3	214
2002	3	92	4	2	118	41	56.32	73	58.1	7/17/2002	17:54	0.3	27.8		228
2002	3	93	4	2	116	41	57.05	73	57.77	7/17/2002	17:39	0.3	26.7	6.6	218
2002	3	94	4	2	113	41	58.38	73	57.25	7/17/2002	17:10	0.3	26.2	7.2	218
2002	3	94	4	2	115	41	57.78	73	57.47	7/17/2002	17:27	0.3	29	10.6	212
2002	3	94	6	2	114	41	58.085	73	56.467	7/17/2002	14:15	0.3	27.4	8.9	211
2002	3	95	4	2	111	41	59.083	73	57.079	7/17/2002	16:55	0.3	26.3	7	217
2002	3	95	6	2	112	41	58.238	73	56.123	7/17/2002	14:35	0.3	27.6	8	211
2002	3	96	4	2	103	42	0.5	73	56.51	7/17/2002	16:20	0.3	29.3	9.4	214

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	3	96	4	2	105	42	0.22	73	56.65	7/17/2002	16:30	0.3	29.3	9.4	214
2002	3	96	4	2	108	41	59.76	73	56.81	7/17/2002	16:40	0.3	29.3	9.4	214
2002	3	96	6	2	106	42	59.99	73	55.94	7/17/2002	15:11	0.3	26.2	6.9	217
2002	3	96	6	2	109	41	59.43	73	56.012	7/17/2002	14:53	0.3	28.6	10.3	211
2002	3	97	4	2	102	42	0.83	73	56.38	7/17/2002	16:07	0.3	27.1	7.5	219
2002	3	97	6	2	104	42	0.26	73	55.792	7/17/2002	15:22	0.3	28.1	8.4	221
2002	3	98	4	2	100	42	1.67	73	56.54	7/17/2002	15:43	0.3	26.6	7.2	216
2002	3	98	4	2	101	42	1.426	73	56.456	7/17/2002	15:52	0.3	26.6	7.2	216
2002	3	99	6	2	99	42	2.02	73	55.73	7/18/2002	6:48	0.3	25	6.3	217
2002	3	108	6	2	94	42	9.56	73	53.18	7/18/2002	7:22	0.3	25.2	6.2	208
2002	3	109	6	2	92	42	10.27	73	52.32	7/18/2002	7:45	0.3	25.2	6.6	207
2002	3	109	6	2	93	42	9.91	73	52.81	7/18/2002	7:33	0.3	25.4	6.4	207
2002	3	110	6	2	90	42	11.04	73	51.38	7/18/2002	8:10	0.3	25.7	6.2	213
2002	3	110	6	2	91	42	10.9	73	51.53	7/18/2002	8:03	0.3	25.7	6.2	213
2002	3	111	6	2	89					7/18/2002	8:24	0.3	25.3	6	206
2002	3	114	4	2	82	42	14.31	73	50.58	7/18/2002	9:54	0.3	26.6	5.9	208
2002	3	114	4	2	83	42	14.26	73	50.71	7/18/2002	9:40	0.3	26.6	5.9	208
2002	3	117	6	2	76	42	15.84	73	47.69	7/18/2002	10:27	0.3	27.2	8.1	212
2002	3	118	6	2	75	42	16.12	73	47.49	7/18/2002	10:41	0.3	27.2	8.1	212
2002	3	119	4	2	70	42	17.317	73	47.373	7/18/2002	11:10	0.3	27.3	6.6	218
2002	3	119	6	2	71	42	17.16	73	46.8	7/18/2002	10:58	0.3	26.7	7.1	217
2002	3	121	6	2	67	42	18.82	73	46.89	7/18/2002	11:33	0.3	27	7.8	218
2002	3	122	4	4	61	42	20.29	73	47.24	7/18/2002	12:38	0.3	26.9	7.7	225
2002	3	122	4	3	63	42	19.84	73	47.18	7/18/2002	11:46	0.3	26.8	8.7	221
2002	3	122	6	3	62	42	20.105	73	46.848	7/18/2002	12:08	0.3	27.2	8	225
2002	3	122	6	4	64	42	19.9	73	46.8	7/18/2002	12:29	0.3	27	7.9	225
2002	3	124	6	4	56	42	21.49	73	47.29	7/18/2002	13:01	0.3	27.3	8.3	228
2002	3	124	6	4	57	42	21.28	73	47.32	7/18/2002	12:51	0.3	26.6	7.7	228
2002	3	126	4	4	49	42	23.4	73	47.52	7/18/2002	13:19	0.3	26.3	7.9	230
2002	3	127	4	4	46	42	24.35	73	47.08	7/18/2002	13:33	0.3	27.3	9.1	229
2002	3	128	6	4	45					7/18/2002	13:44	0.3	27	8.1	230
2002	3	129	6	4	38	42	26.05	73	46.82	7/18/2002	14:12	0.3	26	8	228
2002	3	129	6	4	40	42	25.67	73	46.67	7/18/2002	13:58	0.3	27	8	231
2002	3	131	4	4	33	42	28.06	73	47.13	7/18/2002	14:33	0.3	26.3	7	231
2002	3	133	4	4	29	42	29.09	73	47.273	7/18/2002	14:46	0.3	26.2	6.6	221
2002	3	134	4	4	27	42	30.17	73	46.88	7/18/2002	15:00	0.3	27.4	7.1	285
2002	3	135	4	4	25	42	31.16	73	46.06	7/18/2002	15:19	0.3	27.1	6.9	214
2002	3	137	6	4	24	42	32.262	73	45.288	7/18/2002	15:44	0.3	26.9	6.3	218
2002	3	138	4	4	22	42	33.36	73	45.42	7/18/2002	15:57	0.3	27.6	6	214
2002	3	139	4	4	19	42	34.03	73	45.26	7/18/2002	16:11	0.3	27.4	5.8	216
2002	4	14	4	4	265					8/1/2002	9:24	0.3	27.3	6.4	16851
2002	4	14	4	4	266	40	52.925	73	56.648	8/1/2002	9:39	0.3	27.3	6.4	16899
2002	4	18	6	4	261	40	56.27	73	54.17	8/1/2002	9:18	0.3	26.8	6.3	18560

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	4	19	6	4	259	40	57.735	73	53.561	8/1/2002	8:56	0.3	26.4	6.7	17037
2002	4	20	6	4	258	40	57.73	73	53.661	8/1/2002	8:36	0.3	26.9	6.3	16031
2002	4	24	6	4	252	41	2.057	73	52.505	8/1/2002	8:26	0.3	26.8	6	15958
2002	4	25	4	4	250	41	2.86	73	55.07	8/1/2002	11:13	0.3	29	8.9	13911
2002	4	25	4	4	270	41	2.783	73	55.05	8/1/2002	10:43	0.3	28.9	7	13903
2002	4	25	4	4	284	41	2.57	73	54.94	8/1/2002	10:58	0.3	29	8.2	13911
2002	4	25	6	4	251	41	2.46	73	52.42	8/1/2002	8:15	0.3	26.5	6.5	15176
2002	4	26	4	2	246	41	3.6	73	55.2	8/1/2002	11:55	0.3	29.9	8.3	13651
2002	4	26	4	2	271	41	3.77	73	55.22	8/1/2002	12:06	0.3	29.6	8.5	12473
2002	4	26	4	2	283	41	8.34	73	54.4	8/1/2002	11:29	0.3	29.5	10.4	13880
2002	4	26	6	4	247	41	3.891	73	52.077	8/1/2002	7:43	0.3	26.7	5.9	13720
2002	4	26	6	4	248	41	3.273	73	52.221	8/1/2002	7:54	0.3	26.7	5.9	13720
2002	4	26	6	4	249	41	2.67	73	52.3	8/1/2002	7:59	0.3	26.7	5.9	13720
2002	4	27	4	2	245	41	4.19	73	55.21	8/1/2002	17:16	0.3	29.5	9.3	12235
2002	4	27	4	2	272	41	4.49	73	55.14	8/1/2002	12:43	0.3	28.9	8.7	12504
2002	4	28	6	4	243	41	5.683	73	52.214	8/1/2002	7:22	0.3	26.5	6.8	12771
2002	4	28	6	4	244	41	5.33	73	52.33	8/1/2002	7:30	0.3	26.5	6.8	12771
2002	4	29	4	2	242	41	6.1	73	54.88	8/1/2002	12:58	0.3	31.2	13.4	11910
2002	4	30	4	2	241	41	7.14	73	54.77	8/1/2002	13:05	0.3	31.1	12.8	11916
2002	4	31	4	2	285	41	3.607	73	55.196	8/1/2002	13:19	0.3	30.5	11.6	10494
2002	4	32	4	2	239	41	8.81	73	54.6	8/1/2002	13:28	0.3	30.5	11.6	10494
2002	4	32	4	2	240	41	8.48	73	54.42	8/1/2002	13:24	0.3	30.5	11.6	10494
2002	4	32	6	4	237	41	9.274	73	52.181	8/1/2002	6:51	0.3	26.9	5.5	11910
2002	4	32	6	4	238	41	8.85	73	52.123	8/1/2002	7:06	0.3	27	5.5	12030
2002	4	32	6	4	269	41	9.445	73	52.243	8/1/2002	6:40	0.3	27	6.7	10557
2002	4	33	6	4	236	41	9.79	73	52.202	8/1/2002	6:30	0.3	27.2	5.3	12095
2002	4	35	4	2	229	41	10.59	73	56.41	7/31/2002	15:02	0.3	30.2	6.9	8756
2002	4	35	4	2	277	41	10.95	73	57.06	7/31/2002	15:13	0.3	30.5	7.5	9264
2002	4	35	6	2	231	41	11.23	73	53.69	7/31/2002	14:37	0.3	30.4	10	11015
2002	4	35	6	2	274	41	11.17	73	53.71	7/31/2002	14:43	0.3	30.4	10	11015
2002	4	35	6	2	275	41	11.31	73	53.54	7/31/2002	14:31	0.3	30.4	10	11015
2002	4	36	4	2	281	41	11.13	73	57.16	7/31/2002	15:24	0.3	29.9	7.2	9233
2002	4	36	6	2	228	41	12.25	73	53.5	7/31/2002	14:02	0.3	30.1	9.4	10911
2002	4	36	6	2	276	41	12.17	73	53.51	7/31/2002	14:12	0.3	30.1	9.4	10911
2002	4	37	4	2	225	41	12.096	73	57.458	7/31/2002	15:30	0.3	29.9	7.2	9233
2002	4	38	4	2	221	41	13.43	73	57.79	7/31/2002	15:46	0.3	29.9	8.2	9486
2002	4	38	4	2	222	41	12.979	73	57.867	7/31/2002	15:54	0.3	29.9	8.2	9486
2002	4	38	4	2	223	41	12.89	73	57.806	7/31/2002	15:58	0.3	29.9	8.2	9486
2002	4	38	4	2	278	41	12.96	73	57.828	7/31/2002	16:04	0.3	29.9	8.2	9486
2002	4	38	4	2	280	41	13.4	73	57.81	7/31/2002	16:10	0.3	29.9	8.2	9486
2002	4	39	4	2	216	41	13.48	73	57.84	7/31/2002	16:21	0.3	28.7	6.9	8314
2002	4	40	6	2	213	41	14.64	73	57.15	7/31/2002	13:38	0.3	30.5	7.8	9790
2002	4	42	4	2	206	41	16.412	73	58.1	7/31/2002	13:19	0.3	29.5	9.8	8354

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	4	43	4	2	203	41	16.91	73	56.26	7/31/2002	13:00	0.3	30	8.6	6650
2002	4	46	6	2	199	41	19.42	73	58.77	7/31/2002	12:36	0.3	27.6	6.9	5196
2002	4	48	4	4	197	41	20.86	73	58.08	7/31/2002	12:21	0.3	27.1	6.3	4065
2002	4	49	4	4	196	41	21.16	73	57.74	7/31/2002	12:06	0.3	27	6.7	4285
2002	4	52	4	4	193	41	24.12	73	57.31	7/31/2002	11:37	0.3	27.6	6.3	4324
2002	4	53	4	4	192	41	24.19	73	57.95	7/31/2002	11:14	0.3	26.5	5.4	2981
2002	4	55	6	4	189	41	25.66	73	58.14	7/31/2002	11:06	0.3	26.5	5.4	2981
2002	4	57	4	4	185	41	27.68	74	0.73	7/31/2002	10:44	0.3	27.4	7.8	1662
2002	4	57	4	4	186	41	27.28	74	0.8	7/31/2002	10:55	0.3	27.4	7.8	1662
2002	4	59	6	4	180	41	29.08	73	59.37	7/31/2002	10:21	0.3	26.2	5.2	1653
2002	4	59	6	4	181	41	29.04	73	59.33	7/31/2002	10:27	0.3	26.2	5.2	1653
2002	4	60	6	4	177	41	29.52	73	59.24	7/31/2002	10:16	0.3	26.2	5.2	1653
2002	4	61	4	4	174	41	31.15	74	0.37	7/31/2002	9:51	0.3	26.9	6.6	1183
2002	4	62	6	4	172	41	31.54	73	58.97	7/31/2002	9:34	0.3	26.7	6.4	1083
2002	4	67	4	4	160	41	34.777	73	57.753	7/31/2002	9:16	0.3	26.4	7	421
2002	4	69	6	4	157	41	36.97	73	56.85	7/31/2002	8:35	0.3	26.4	5.6	448
2002	4	71	4	4	153	41	39.06	73	57.257	7/31/2002	8:18	0.3	26.1	6	275
2002	4	76	4	4	144					7/31/2002	7:55	0.3	25.9	6	227
2002	4	77	6	4	140	41	44.56	73	56.17	7/31/2002	7:22	0.3	25.7	5.9	231
2002	4	77	6	4	143	41	43.83	73	56.16	7/31/2002	7:37	0.3	25.6	5.5	230
2002	4	80	6	4	137	41	46.14	73	56.82	7/31/2002	7:08	0.3	25.7	5.9	226
2002	4	83	4	4	133	41	48.74	73	57.19	7/31/2002	6:53	0.3	24.9	6.1	226
2002	4	85	4	4	128					7/31/2002	6:33	0.3	25	6.9	226
2002	4	86	4	2	124	41	51.95	73	56.84	7/30/2002	17:14	0.3	27.4	7.4	228
2002	4	88	6	2	122	41	53.023	73	56.214	7/30/2002	17:05	0.3	27.4	7.4	228
2002	4	90	6	2	120	41	54.02	73	57.2	7/30/2002	16:48	0.3	27	7.4	229
2002	4	91	6	2	119	41	55.847	73	56.774	7/30/2002	16:42	0.3	27	7.4	229
2002	4	93	4	2	116	41	57.05	73	57.77	7/30/2002	16:23	0.3	26.9	6.9	227
2002	4	94	4	2	115	41	57.78	73	57.47	7/30/2002	16:08	0.3	28.5	10.7	224
2002	4	95	4	2	111	41	59.083	73	57.079	7/30/2002	15:52	0.3	26.3	7.4	226
2002	4	96	4	2	105	42	0.22	73	56.65	7/30/2002	15:30	0.3	27.4	7.7	227
2002	4	96	4	2	108	41	59.76	73	56.81	7/30/2002	15:44	0.3	26.3	7.4	226
2002	4	97	4	2	102	42	0.83	73	56.38	7/30/2002	15:19	0.3	27.5	7.6	227
2002	4	98	4	4	100	42	1.67	73	56.54	7/30/2002	14:52	0.3	27.6	8.3	225
2002	4	98	4	4	101	42	1.426	73	56.456	7/30/2002	15:02	0.3	27.6	8.3	225
2002	4	105	4	4	98	42	7.33	73	55.3	7/30/2002	14:26	0.3	29.9	7.3	237
2002	4	106	4	4	96	42	8.147	73	54.796	7/30/2002	14:10	0.3	28.7	7.2	317
2002	4	112	4	4	88	42	12.69	73	51.26	7/30/2002	13:09	0.3	27.7	7.5	246
2002	4	115	6	4	80	42	14.8	73	49.1	7/30/2002	12:49	0.3	26.2	6.8	245
2002	4	116	4	4	78					7/30/2002	12:33	0.3	26.5	7	240
2002	4	118	4	4	74	42	16.42	73	47.92	7/30/2002	12:20	0.3	26.2	7.1	239
2002	4	119	5	4	72	42	16.82	73	47.28	7/30/2002	12:13	0.3	26.2	7.1	239
2002	4	119	6	4	69	42	17.29	73	46.78	7/30/2002	11:49	0.3	26.3	6.7	242

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	4	121	6	4	66	42	19.33	73	46.85	7/30/2002	11:36	0.3	26.1	6.9	237
2002	4	123	4	4	59					7/30/2002	11:15	0.3	26.3	6.7	235
2002	4	123	4	4	60	42	20.64	73	47.39	7/30/2002	11:22	0.3	26.3	6.7	235
2002	4	124	6	4	57	42	21.28	73	47.32	7/30/2002	11:03	0.3	26.2	7	235
2002	4	132	4	4	30					7/30/2002	10:30	0.3	26.6	6.8	245
2002	4	134	4	4	27	42	30.17	73	46.88	7/30/2002	10:01	0.3	26.2	6	242
2002	4	139	4	4	16	42	34.31	73	45.21	7/30/2002	9:17	0.3	26.1	5.8	242
2002	4	139	4	4	18	42	34.14	73	45.24	7/30/2002	9:26	0.3	26.1	5.8	242
2002	4	140	6	4	11					7/30/2002	8:58	0.3	26.1	5.8	242
2002	4	142	6	4	8	42	36.82	73	45.4	7/30/2002	8:50	0.3	26.1	5.8	242
2002	4	143	6	3	7	42	37.48	73	45.14	7/30/2002	8:44	0.3	25.4	5.6	538
2002	5	18	4	4	260	40	56.889	73	55.1	8/14/2002	9:18	0.3	26.6	5.8	22559
2002	5	19	6	4	259	40	57.735	73	53.561	8/14/2002	9:43	0.3	26.8	5.8	20807
2002	5	20	6	4	258	40	57.73	73	53.661	8/14/2002	10:06	0.3	26.4	5.8	19941
2002	5	23	6	4	254	41	1.086	73	52.681	8/14/2002	10:52	0.3	26.8	5.3	19587
2002	5	23	6	4	255	41	0.74	73	52.83	8/14/2002	10:30	0.3	26.8	5.8	19875
2002	5	24	6	4	252	41	2.057	73	52.505	8/14/2002	11:11	0.3	26.9	5.8	19164
2002	5	25	4	4	250	41	2.86	73	55.07	8/14/2002	8:37	0.3	26.7	5.9	17126
2002	5	25	4	4	270	41	2.783	73	55.05	8/14/2002	8:47	0.3	26.8	5.8	16803
2002	5	25	4	4	284	41	2.57	73	54.94	8/14/2002	9:00	0.3	26.9	6.1	17056
2002	5	25	6	4	251	41	2.46	73	52.42	8/14/2002	11:30	0.3	26.8	5.8	19299
2002	5	26	4	4	246	41	3.6	73	55.2	8/14/2002	8:10	0.3	26.5	5.3	16616
2002	5	26	4	4	271	41	3.77	73	55.22	8/14/2002	7:59	0.3	26.3	5.1	16684
2002	5	26	4	4	283	41	8.34	73	54.4	8/14/2002	8:24	0.3	26.4	5.7	16747
2002	5	26	6	4	247	41	3.891	73	52.077	8/14/2002	12:10	0.3	27.4	5.9	17263
2002	5	26	6	4	248	41	3.273	73	52.221	8/14/2002	11:57	0.3	26.9	5.4	18972
2002	5	26	6	4	249	41	2.67	73	52.3	8/14/2002	11:47	0.3	26.8	5.6	19011
2002	5	27	4	4	245	41	4.19	73	55.21	8/14/2002	7:45	0.3	26.9	5.9	15619
2002	5	27	4	4	272	41	4.49	73	55.14	8/14/2002	7:29	0.3	27	5.6	15013
2002	5	28	6	2	243	41	5.683	73	52.214	8/14/2002	12:55	0.3	28.6	6.1	16477
2002	5	28	6	4	244	41	5.33	73	52.33	8/14/2002	12:34	0.3	26.9	5.9	18206
2002	5	29	4	4	242	41	6.1	73	54.88	8/14/2002	7:15	0.3	27	5.5	14822
2002	5	30	4	2	241	41	7.14	73	54.77	8/13/2002	16:26	0.3	27.1	6.2	17006
2002	5	31	4	2	285	41	3.607	73	55.196	8/13/2002	16:01	0.3	27.1	6.3	16032
2002	5	32	4	2	239	41	8.81	73	54.6	8/13/2002	15:19	0.3	27.5	5.1	15978
2002	5	32	4	2	240	41	8.48	73	54.42	8/13/2002	15:45	0.3	27.9	5.2	15868
2002	5	32	6	2	237	41	9.274	73	52.181	8/14/2002	13:30	0.3	29.8	6.8	13715
2002	5	32	6	2	238	41	8.85	73	52.123	8/14/2002	13:15	0.3	27.3	6.4	14066
2002	5	32	6	2	269	41	9.445	73	52.243	8/14/2002	13:48	0.3	29.7	6.3	13489
2002	5	33	6	2	236	41	9.79	73	52.202	8/14/2002	14:09	0.3	29.6	6.3	13063
2002	5	35	4	2	229	41	10.59	73	56.41	8/13/2002	14:50	0.3	28.9	5.8	13709
2002	5	35	4	2	230	41	10.59	73	56.39	8/13/2002	15:03	0.3	29.1	6.1	13746
2002	5	35	4	2	277	41	10.95	73	57.06	8/13/2002	14:37	0.3	27.9	5.9	13511

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	5	36	4	2	227	41	11.02	73	57.41	8/13/2002	14:28	0.3	29.3	6	12686
2002	5	36	4	2	281	41	11.13	73	57.16	8/13/2002	14:20	0.3	29.8	6.3	12830
2002	5	36	4	2	282	41	11.2	73	57.17	8/13/2002	14:11	0.3	29.3	6.3	12777
2002	5	37	4	2	224					8/13/2002	13:52	0.3	29.6	7	12791
2002	5	37	4	2	225	41	12.096	73	57.458	8/13/2002	14:02	0.3	29.5	6.5	12726
2002	5	38	4	2	221	41	13.43	73	57.79	8/13/2002	12:50	0.3	29.6	6.3	11974
2002	5	38	4	2	222	41	12.979	73	57.867	8/13/2002	13:28	0.3	29.6	6.5	12247
2002	5	38	4	2	223	41	12.89	73	57.806	8/13/2002	13:37	0.3	29.7	6.9	12493
2002	5	38	4	2	278	41	12.96	73	57.828	8/13/2002	13:20	0.3	29.9	6.5	12172
2002	5	38	4	2	279	41	13.36	73	57.82	8/13/2002	13:11	0.3	29.7	6.6	12131
2002	5	38	4	2	280	41	13.4	73	57.81	8/13/2002	12:59	0.3	30.1	6.9	11944
2002	5	39	4	2	215	41	13.62	73	58.34	8/13/2002	12:40	0.3	29.8	6.1	11601
2002	5	40	6	2	210	41	14.87	73	57.74	8/13/2002	12:26	0.3	29.6	6	11521
2002	5	42	4	2	206	41	16.412	73	58.1	8/13/2002	12:03	0.3	25.8	5.6	11161
2002	5	43	6	2	202	41	17.12	73	55.98	8/13/2002	11:43	0.3	28.8	5.4	9505
2002	5	44	6	4	201	41	17.74	73	56.87	8/13/2002	11:15	0.3	28.6	5.6	9470
2002	5	52	6	4	193	41	24.12	73	57.31	8/13/2002	10:46	0.3	27	5.9	6120
2002	5	52	6	4	194	41	24.12	73	56.81	8/13/2002	10:56	0.3	27.5	6.3	6105
2002	5	53	4	4	192	41	24.19	73	57.95	8/13/2002	10:36	0.3	26.9	5.8	6085
2002	5	53	6	4	191	41	24.882	73	57.554	8/13/2002	10:10	0.3	27	6.2	5996
2002	5	55	6	4	189	41	25.66	73	58.14	8/13/2002	9:55	0.3	26.8	6.1	6126
2002	5	56	4	4	188	41	26.47	73	59.66	8/13/2002	9:45	0.3	26.9	5.7	4120
2002	5	57	4	4	185	41	27.68	74	0.73	8/13/2002	9:28	0.3	27	5.8	4037
2002	5	58	4	4	184	41	27.78	74	0.7	8/13/2002	9:06	0.3	26.1	4.3	3989
2002	5	59	6	2	181	41	29.04	73	59.33	8/13/2002	8:48	0.3	26.1	5.2	3701
2002	5	61	4	2	174	41	31.15	74	0.37	8/13/2002	8:02	0.3	26.5	5.3	3361
2002	5	61	6	4	175	41	30.57	73	59.13	8/13/2002	8:33	0.3	25.8	5	3641
2002	5	63	4	4	166					8/13/2002	7:43	0.3	26.3	5.2	2619
2002	5	64	4	4	164	41	33.37	73	59.18	8/13/2002	7:18	0.3	26.6	5.3	1928
2002	5	69	6	2	156	41	37.03	73	56.88	8/12/2002	17:49	0.3	26.5	6	1159
2002	5	69	6	4	158	41	36.94	73	56.81	8/13/2002	7:00	0.3	26.2	5.6	817
2002	5	73	6	2	150	41	40.28	73	56.49	8/12/2002	17:30	0.3	26.5	5	1025
2002	5	77	6	2	140	41	44.56	73	56.17	8/12/2002	17:05	0.3	26.9	5.7	227
2002	5	77	6	2	143	41	43.83	73	56.16	8/12/2002	17:16	0.3	26.8	6.4	239
2002	5	81	6	2	136					8/12/2002	16:43	0.3	26.2	6	217
2002	5	82	4	2	134	41	48.51	73	57.22	8/12/2002	16:28	0.3	26.5	6.2	217
2002	5	85	6	2	127	41	51.18	73	56.5	8/12/2002	16:11	0.3	26.6	6.5	217
2002	5	86	6	2	125	41	51.75	73	55.89	8/12/2002	15:55	0.3	27.1	6.3	218
2002	5	89	6	2	121	41	53.84	73	57.04	8/12/2002	15:37	0.3	26.7	6.6	217
2002	5	90	6	2	120	41	54.02	73	57.2	8/12/2002	15:28	0.3	26.7	6.4	217
2002	5	93	4	2	116	41	57.05	73	57.77	8/12/2002	14:54	0.3	27.9	6.4	223
2002	5	93	6	2	117	41	57.036	73	56.721	8/12/2002	15:05	0.3	29.7	8.2	235
2002	5	96	4	2	108	41	59.76	73	56.81	8/12/2002	14:15	0.3	28.6	8.1	207

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	5	96	4	2	110	41	59.4	73	56.94	8/12/2002	14:32	0.3	27	6.9	224
2002	5	97	4	2	102	42	0.83	73	56.38	8/12/2002	13:53	0.3	31.6	10.3	216
2002	5	97	4	2	103	42	0.5	73	56.51	8/12/2002	14:05	0.3	31	10	220
2002	5	98	4	4	100	42	1.67	73	56.54	8/12/2002	13:15	0.3	27	7.8	230
2002	5	98	4	4	101	42	1.426	73	56.456	8/12/2002	13:35	0.3	27.8	8	354
2002	5	99	6	4	99	42	2.02	73	55.73	8/12/2002	13:01	0.3	27	7.7	230
2002	5	105	4	4	98	42	7.33	73	55.3	8/12/2002	12:44	0.3	27	7.9	230
2002	5	106	4	4	96	42	8.147	73	54.796	8/12/2002	12:30	0.3	28.3	8.5	217
2002	5	114	4	4	81	42	14.39	73	50.549	8/12/2002	11:35	0.3	27	6.4	230
2002	5	114	4	4	83	42	14.26	73	50.71	8/12/2002	11:47	0.3	27	6.3	230
2002	5	114	6	4	85	42	13.54	73	50.75	8/12/2002	11:59	0.3	26.9	6.3	230
2002	5	115	6	4	80	42	14.8	73	49.1	8/12/2002	11:25	0.3	27	6.1	230
2002	5	117	4	4	76	42	15.84	73	47.69	8/12/2002	11:16	0.3	26.8	6.4	229
2002	5	119	6	4	71	42	17.16	73	46.8	8/12/2002	11:02	0.3	26.9	6.5	230
2002	5	121	4	4	68	42	18.53	73	47.1	8/12/2002	10:50	0.3	26.7	6.4	230
2002	5	121	6	4	66	42	19.33	73	46.85	8/12/2002	10:35	0.3	26.8	6.4	231
2002	5	122	4	4	61	42	20.29	73	47.24	8/12/2002	10:21	0.3	26.3	6	223
2002	5	123	4	4	59					8/12/2002	10:12	0.3	26.4	5.9	229
2002	5	125	4	4	51	42	22.87	73	47.8	8/12/2002	9:59	0.3	26.5	6.9	228
2002	5	128	6	4	43	42	25.02	73	46.62	8/12/2002	9:43	0.3	26.8	6.7	223
2002	5	129	6	4	39	42	25.879	73	46.76	8/12/2002	9:33	0.3	26.3	6.3	222
2002	5	133	4	4	29	42	29.09	73	47.273	8/12/2002	9:14	0.3	26.1	6.4	221
2002	5	134	4	4	27	42	30.17	73	46.88	8/12/2002	9:01	0.3	26.3	7	213
2002	5	138	4	4	23	42	33.14	73	45.46	8/12/2002	8:47	0.3	26.4	7.1	209
2002	5	139	4	4	19	42	34.03	73	45.26	8/12/2002	8:20	0.3	26.3	6.9	212
2002	6	18	4	2	260	40	56.889	73	55.1	8/28/2002	11:57	0.3	25.2	6	17877
2002	6	18	6	2	261	40	56.27	73	54.17	8/28/2002	11:43	0.3	25.3	5.3	19523
2002	6	20	6	4	259	40	57.735	73	53.561	8/28/2002	12:13	0.3	25.4	5.5	19137
2002	6	21	6	2	257	40	59.13	73	53.13	8/28/2002	12:34	0.3	25.3	6.2	17543
2002	6	23	6	2	254	41	1.086	73	52.681	8/28/2002	12:49	0.3	25.6	5.8	17711
2002	6	24	6	2	252	41	2.057	73	52.505	8/28/2002	13:06	0.3	25.5	5.6	16968
2002	6	25	6	2	251	41	2.46	73	52.42	8/28/2002	13:18	0.3	25.4	5.5	16895
2002	6	26	4	4	246	41	3.6	73	55.2	8/28/2002	10:50	0.3	24.4	10	14481
2002	6	26	4	4	271	41	3.77	73	55.22	8/28/2002	10:36	0.3	24.4	9.9	14451
2002	6	26	4	4	283	41	8.34	73	54.4	8/28/2002	11:05	0.3	24.2	10.4	14642
2002	6	26	6	2	247	41	3.891	73	52.077	8/28/2002	13:59	0.3	25.4	6.4	16055
2002	6	26	6	2	248	41	3.273	73	52.221	8/28/2002	13:45	0.3	25.6	6.5	15960
2002	6	26	6	2	249	41	2.67	73	52.3	8/28/2002	13:33	0.3	25.7	5.4	17184
2002	6	27	4	4	245	41	4.19	73	55.21	8/28/2002	10:27	0.3	24.2	6.1	14004
2002	6	27	4	4	272	41	4.49	73	55.14	8/28/2002	10:14	0.3	24.8	6.2	13753
2002	6	28	6	2	243	41	5.683	73	52.214	8/28/2002	14:35	0.3	25.8	6.6	15052
2002	6	28	6	2	244	41	5.33	73	52.33	8/28/2002	14:17	0.3	25.7	6	16025
2002	6	29	4	4	242	41	6.1	73	54.88	8/28/2002	9:58	0.3	25.2	6.5	13194

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	6	30	4	4	241	41	7.14	73	54.77	8/27/2002	18:19	0.3	27.3	6.7	12736
2002	6	30	4	4	241	41	7.14	73	54.77	8/28/2002	9:35	0.3	23.9	6	12777
2002	6	31	4	4	285	41	3.607	73	55.196	8/27/2002	17:59	0.3	27.1	6.8	12711
2002	6	31	4	4	285	41	3.607	73	55.196	8/28/2002	9:18	0.3	25.8	5.7	12239
2002	6	32	4	4	239	41	8.81	73	54.6	8/27/2002	17:38	0.3	27.2	6.6	12381
2002	6	32	4	4	240	41	8.48	73	54.42	8/27/2002	17:48	0.3	27.1	7.3	12406
2002	6	32	4	4	239	41	8.81	73	54.6	8/28/2002	8:50	0.3	26	5.5	11750
2002	6	32	4	4	240	41	8.48	73	54.42	8/28/2002	9:02	0.3	25.4	6	12409
2002	6	32	6	2	237	41	9.274	73	52.181	8/28/2002	15:11	0.3	25.8	6.3	13611
2002	6	32	6	2	238	41	8.85	73	52.123	8/28/2002	14:54	0.3	26	5.9	13751
2002	6	32	6	2	269	41	9.445	73	52.243	8/28/2002	15:23	0.3	25.8	5.8	13680
2002	6	35	4	4	229	41	10.59	73	56.41	8/27/2002	17:17	0.3	28.2	6.3	11572
2002	6	35	4	4	230	41	10.59	73	56.39	8/27/2002	17:26	0.3	27.8	6.4	11346
2002	6	35	4	4	277	41	10.95	73	57.06	8/27/2002	17:06	0.3	28.3	6.4	11847
2002	6	36	4	4	226	41	11.8	73	57.5	8/27/2002	16:11	0.3	28.5	6.7	11224
2002	6	36	4	4	227	41	11.02	73	57.41	8/27/2002	16:55	0.3	28.1	6.3	11783
2002	6	36	4	4	281	41	11.13	73	57.16	8/27/2002	16:39	0.3	28.3	6.4	10990
2002	6	36	4	4	282	41	11.2	73	57.17	8/27/2002	16:28	0.3	28	6.6	11113
2002	6	37	4	2	224					8/27/2002	15:50	0.3	28.4	6.8	11302
2002	6	37	4	2	225	41	12.096	73	57.458	8/27/2002	16:00	0.3	28.4	6.4	11246
2002	6	38	4	2	221	41	13.43	73	57.79	8/27/2002	14:53	0.3	28.6	6.3	10442
2002	6	38	4	2	222	41	12.979	73	57.867	8/27/2002	15:20	0.3	28.3	6.2	10422
2002	6	38	4	2	223	41	12.89	73	57.806	8/27/2002	15:30	0.3	28.2	6.3	11040
2002	6	38	4	2	279	41	13.36	73	57.82	8/27/2002	15:10	0.3	28.1	6.3	10567
2002	6	38	4	2	280	41	13.4	73	57.81	8/27/2002	15:01	0.3	27.9	6.2	10610
2002	6	40	6	2	210	41	14.87	73	57.74	8/27/2002	14:40	0.3	27	5.5	9754
2002	6	41	6	2	208	41	15.72	73	50.84	8/27/2002	14:30	0.3	28.6	5.6	8905
2002	6	42	4	2	206	41	16.412	73	58.1	8/27/2002	14:12	0.3	27.6	5.2	9938
2002	6	43	6	2	202	41	17.12	73	55.98	8/27/2002	13:53	0.3	27.7	5.8	8192
2002	6	44	6	2	201	41	17.74	73	56.87	8/27/2002	13:35	0.3	27.8	7	8054
2002	6	52	6	2	193	41	24.12	73	57.31	8/27/2002	13:02	0.3	27.1	6.1	4504
2002	6	53	4	2	192	41	24.19	73	57.95	8/27/2002	12:47	0.3	26.7	6	4227
2002	6	53	6	2	191	41	24.882	73	57.554	8/27/2002	12:30	0.3	26.8	7.6	4096
2002	6	54	6	2	190	41	24.961	73	57.702	8/27/2002	12:19	0.3	26.6	6.1	3683
2002	6	55	6	4	189	41	25.66	73	58.14	8/27/2002	11:59	0.3	26.4	6.1	3256
2002	6	56	4	4	187	41	26.83	74	0.5	8/27/2002	11:33	0.3	26.8	6.8	3120
2002	6	56	4	4	188	41	26.47	73	59.66	8/27/2002	11:41	0.3	26	6.4	3182
2002	6	57	4	4	185	41	27.68	74	0.73	8/27/2002	11:14	0.3	25.3	5.3	2950
2002	6	59	6	4	179	41	29.24	73	59.34	8/27/2002	10:33	0.3	25.4	4.9	2759
2002	6	59	6	4	180	41	29.08	73	59.37	8/27/2002	10:42	0.3	25.6	5	2755
2002	6	59	6	4	181	41	29.04	73	59.33	8/27/2002	10:55	0.3	24.8	5.8	2828
2002	6	62	4	4	171	41	32.19	73	59.91	8/27/2002	10:15	0.3	26.5	6	1768
2002	6	63	4	4	166					8/27/2002	9:52	0.3	26.1	5.4	1461

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	6	64	4	4	164	41	33.37	73	59.18	8/27/2002	9:42	0.3	26.2	7	1468
2002	6	74	6	4	148	41	41.15	73	56.31	8/27/2002	8:55	0.3	25.8	5.5	428
2002	6	76	4	4	144					8/27/2002	8:40	0.3	25.9	5	244
2002	6	77	6	4	140	41	44.56	73	56.17	8/27/2002	7:50	0.3	25.5	5	224
2002	6	77	6	4	141	41	44.46	73	56.21	8/27/2002	8:08	0.3	25.4	5.3	263
2002	6	77	6	4	143	41	43.83	73	56.16	8/27/2002	8:18	0.3	25.5	5.4	267
2002	6	84	4	2	129	41	50.61	73	57.28	8/26/2002	17:50	0.3	26.3	6.4	209
2002	6	85	6	2	127	41	51.18	73	56.5	8/26/2002	17:40	0.3	26.3	6.5	219
2002	6	86	6	2	125	41	51.75	73	55.89	8/26/2002	17:26	0.3	26.1	6.5	213
2002	6	88	6	2	122	41	53.023	73	56.214	8/26/2002	17:12	0.3	26.1	6.1	218
2002	6	90	6	2	120	41	54.02	73	57.2	8/26/2002	17:03	0.3	26	6.3	211
2002	6	92	4	2	118	41	56.32	73	58.1	8/26/2002	16:33	0.3	26.4	8.8	214
2002	6	93	4	2	116	41	57.05	73	57.77	8/26/2002	16:22	0.3	26.2	6.1	214
2002	6	96	4	2	105	42	0.22	73	56.65	8/26/2002	15:53	0.3	26.3	6.4	213
2002	6	96	4	2	108	41	59.76	73	56.81	8/26/2002	16:05	0.3	26.1	7.5	215
2002	6	97	4	2	102	42	0.83	73	56.38	8/26/2002	15:25	0.3	26.3	6.8	206
2002	6	97	4	2	103	42	0.5	73	56.51	8/26/2002	15:41	0.3	26.5	6.3	205
2002	6	98	4	2	101	42	1.426	73	56.456	8/26/2002	15:11	0.3	25.7	6.9	208
2002	6	99	6	2	99	42	2.02	73	55.73	8/26/2002	14:50	0.3	26.5	6.3	205
2002	6	105	4	2	97	42	7.68	73	55.13	8/26/2002	14:20	0.3	26.1	6.1	214
2002	6	105	4	2	98	42	7.33	73	55.3	8/26/2002	14:33	0.3	29.8	10	210
2002	6	106	4	2	96	42	8.147	73	54.796	8/26/2002	14:06	0.3	26.2	6.6	222
2002	6	116	6	2	77	42	15.02	73	48.31	8/26/2002	13:40	0.3	26.3	6.1	206
2002	6	117	4	4	76	42	15.84	73	47.69	8/26/2002	13:25	0.3	26.1	5.8	214
2002	6	118	4	4	75	42	16.12	73	47.49	8/26/2002	13:12	0.3	26.5	5.1	196
2002	6	119	6	4	71	42	17.16	73	46.8	8/26/2002	12:56	0.3	26.1	5.9	212
2002	6	121	4	4	67	42	18.82	73	46.89	8/26/2002	12:34	0.3	27.1	6	200
2002	6	121	6	4	66	42	19.33	73	46.85	8/26/2002	12:06	0.3	27	6	201
2002	6	122	6	4	62	42	20.105	73	46.848	8/26/2002	10:49	0.3	25.7	6.3	202
2002	6	123	4	4	59					8/26/2002	11:29	0.3	25.4	6.1	204
2002	6	124	4	4	55	42	21.64	73	47.62	8/26/2002	10:55	0.3	26	6.3	201
2002	6	124	6	4	56	42	21.49	73	47.29	8/26/2002	11:15	0.3	25.4	6.1	201
2002	6	125	6	4	52	42	22.39	73	47.45	8/26/2002	10:41	0.3	26.1	6	203
2002	6	127	6	4	47	42	23.853	73	46.901	8/26/2002	10:18	0.3	25.7	5.6	199
2002	6	131	4	4	33	42	28.06	73	47.13	8/26/2002	9:49	0.3	24.7	6.2	199
2002	6	131	4	4	35	42	27.8	73	47.1	8/26/2002	10:04	0.3	24.8	6	199
2002	6	139	4	4	15	42	34.32	73	45.25	8/26/2002	9:07	0.3	25.2	5.6	211
2002	6	139	6	4	17	42	34.22	73	45.02	8/26/2002	9:28	0.3	25.2	6.8	210
2002	6	140	6	4	11					8/26/2002	8:50	0.3	25	5.6	209
2002	7	18	4	2	260	40	56.889	73	55.1	9/10/2002	14:30	0.3	23.8	5.2	24861
2002	7	18	6	2	261	40	56.27	73	54.17	9/10/2002	14:16	0.3	23.6	4.9	27004
2002	7	20	6	2	258	40	57.73	73	53.661	9/10/2002	14:44	0.3	23.8	4.9	25086
2002	7	22	6	2	256	40	59.97	73	53.05	9/10/2002	15:00	0.3	23.8	5.2	24392

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	7	23	6	2	254	41	1.086	73	52.681	9/10/2002	15:15	0.3	24.1	5.1	23673
2002	7	24	6	2	252	41	2.057	73	52.505	9/10/2002	15:32	0.3	24.1	5.1	22892
2002	7	25	4	2	250	41	2.86	73	55.07	9/10/2002	13:24	0.3	25.5	7	18832
2002	7	25	4	2	270	41	2.783	73	55.05	9/10/2002	13:34	0.3	25.3	5.6	19008
2002	7	25	4	2	284	41	2.57	73	54.94	9/10/2002	13:45	0.3	25.1	6.4	19186
2002	7	25	6	2	251	41	2.46	73	52.42	9/10/2002	15:55	0.3	24.2	5.2	22774
2002	7	26	4	2	271	41	3.77	73	55.22	9/10/2002	12:54	0.3	24.8	7.2	18854
2002	7	26	4	2	283	41	8.34	73	54.4	9/10/2002	13:14	0.3	25.5	6	18911
2002	7	26	4	2	246	41	3.6	73	55.2	9/11/2002	13:04	0.3	24.8	7.1	18904
2002	7	26	6	2	247	41	3.891	73	52.077	9/10/2002	16:34	0.3	24.3	5.9	20918
2002	7	26	6	2	248	41	3.273	73	52.221	9/10/2002	16:22	0.3	24.4	5.2	21278
2002	7	26	6	2	249	41	2.67	73	52.3	9/10/2002	16:10	0.3	24.2	5	20657
2002	7	27	4	2	245	41	4.19	73	55.21	9/10/2002	12:44	0.3	25.5	6.4	18635
2002	7	27	4	2	272	41	4.49	73	55.14	9/10/2002	12:33	0.3	25	5.8	18727
2002	7	28	6	4	243	41	5.683	73	52.214	9/10/2002	16:58	0.3	25.3	6	19107
2002	7	28	6	4	244	41	5.33	73	52.33	9/10/2002	16:47	0.3	25.3	5.8	19206
2002	7	29	4	2	242	41	6.1	73	54.88	9/10/2002	12:22	0.3	25	6.5	18508
2002	7	30	4	2	241	41	7.14	73	54.77	9/10/2002	12:14	0.3	24.9	5.6	17967
2002	7	31	4	2	285	41	3.607	73	55.196	9/10/2002	12:02	0.3	24.8	6.4	17974
2002	7	32	4	2	239	41	8.81	73	54.6	9/10/2002	11:43	0.3	24.9	5.8	17388
2002	7	32	4	2	240	41	8.48	73	54.42	9/10/2002	11:52	0.3	25	5.6	17432
2002	7	32	6	4	237	41	9.274	73	52.181	9/10/2002	17:25	0.3	25.4	6.3	16993
2002	7	32	6	4	238	41	8.85	73	52.123	9/10/2002	17:14	0.3	25.6	6.4	17514
2002	7	32	6	4	269	41	9.445	73	52.243	9/10/2002	17:38	0.3	25.4	6.9	16895
2002	7	33	6	4	236	41	9.79	73	52.202	9/10/2002	17:50	0.3	25.5	7	16880
2002	7	34	6	4	233	41	10.662	73	53.922	9/10/2002	18:24	0.3	26	9.1	17069
2002	7	34	6	4	234	41	10.19	73	53.93	9/10/2002	18:10	0.3	26.2	9.3	17077
2002	7	35	4	4	229	41	10.59	73	56.41	9/11/2002	7:10	0.3	25.2	7.1	16666
2002	7	35	4	4	230	41	10.59	73	56.39	9/11/2002	7:00	0.3	25	6.4	16814
2002	7	35	4	4	277	41	10.95	73	57.06	9/11/2002	7:23	0.3	24.8	6	16583
2002	7	36	4	4	226	41	11.8	73	57.5	9/11/2002	8:05	0.3	24.7	6.8	14934
2002	7	36	4	4	281	41	11.13	73	57.16	9/11/2002	7:34	0.3	25	6.2	16436
2002	7	36	4	4	282	41	11.2	73	57.17	9/11/2002	7:46	0.3	24.8	6.1	16353
2002	7	37	4	4	224					9/11/2002	8:34	0.3	25	6.8	15440
2002	7	37	4	4	225	41	12.096	73	57.458	9/11/2002	8:23	0.3	25.3	6.4	15345
2002	7	38	4	4	222	41	12.979	73	57.867	9/11/2002	8:54	0.3	24.9	6.3	15821
2002	7	38	4	4	223	41	12.89	73	57.806	9/11/2002	8:44	0.3	25.2	6.2	15813
2002	7	38	4	4	279	41	13.36	73	57.82	9/11/2002	9:04	0.3	25.3	6	15741
2002	7	38	4	4	280	41	13.4	73	57.81	9/11/2002	9:13	0.3	25.1	6.2	15806
2002	7	39	4	4	215	41	13.62	73	58.34	9/11/2002	9:25	0.3	24.9	5.4	14653
2002	7	40	6	4	213	41	14.64	73	57.15	9/11/2002	9:40	0.3	25.2	6.7	15436
2002	7	43	6	4	203	41	16.91	73	56.26	9/11/2002	10:05	0.3	25.6	6	13765
2002	7	44	6	4	201	41	17.74	73	56.87	9/11/2002	10:25	0.3	25.5	6.3	13665

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	7	46	6	4	199	41	19.42	73	58.77	9/11/2002	10:43	0.3	24.8	5.8	10902
2002	7	49	4	4	196	41	21.16	73	57.74	9/11/2002	11:05	0.3	24.6	6.5	9541
2002	7	51	6	4	195	41	22.87	73	50.61	9/11/2002	11:28	0.3	24.8	6.4	9102
2002	7	52	6	4	193	41	24.12	73	57.31	9/11/2002	11:52	0.3	24.9	6.3	8963
2002	7	52	6	4	194	41	24.12	73	56.81	9/11/2002	11:40	0.3	24.8	6.7	9002
2002	7	53	4	4	192	41	24.19	73	57.95	9/11/2002	12:10	0.3	25.1	6.7	8758
2002	7	56	4	4	186	41	27.28	74	0.8	9/10/2002	9:40	0.3	24	5.2	6304
2002	7	56	4	4	187	41	26.83	74	0.5	9/10/2002	10:08	0.3	24.7	6.1	6334
2002	7	56	4	4	188	41	26.47	73	59.66	9/10/2002	10:21	0.3	24.6	6.2	6538
2002	7	58	4	4	184	41	27.78	74	0.7	9/10/2002	9:28	0.3	23.9	4.9	6246
2002	7	59	6	4	181	41	29.04	73	59.33	9/10/2002	8:58	0.3	24	5.1	6213
2002	7	60	6	4	178	41	29.25	73	59.32	9/10/2002	8:45	0.3	23.9	4.4	6215
2002	7	63	4	4	166					9/10/2002	8:21	0.3	24.6	5.1	4639
2002	7	64	4	4	163	41	33.48	73	59.05	9/10/2002	7:59	0.3	24.5	5.2	4571
2002	7	69	4	4	155	41	37.44	73	57.43	9/10/2002	7:25	0.3	24.3	4.9	3348
2002	7	69	6	4	157	41	36.97	73	56.85	9/10/2002	7:44	0.3	24.6	5	3706
2002	7	74	6	4	149	41	41.064	73	56.289	9/10/2002	7:05	0.3	24.2	5	2283
2002	7	77	6	2	142	41	43.92	73	56.14	9/9/2002	17:43	0.3	24	5.9	237
2002	7	80	6	2	137	41	46.14	73	56.82	9/9/2002	17:23	0.3	23.9	6.2	235
2002	7	82	4	2	134	41	48.51	73	57.22	9/9/2002	17:08	0.3	24.5	6.8	233
2002	7	83	4	2	131	41	49.33	73	57.31	9/9/2002	16:55	0.3	24.5	6.3	232
2002	7	84	4	2	129	41	50.61	73	57.28	9/9/2002	16:42	0.3	24.1	7	236
2002	7	86	6	2	125	41	51.75	73	55.89	9/9/2002	16:28	0.3	24.5	6.1	233
2002	7	89	6	2	121	41	53.84	73	57.04	9/9/2002	16:09	0.3	24.2	6.9	235
2002	7	90	6	2	120	41	54.02	73	57.2	9/9/2002	15:58	0.3	24.1	6.8	235
2002	7	92	4	2	118	41	56.32	73	58.1	9/9/2002	15:45	0.3	24.6	7.3	231
2002	7	93	4	2	116	41	57.05	73	57.77	9/9/2002	15:30	0.3	24.2	7.1	226
2002	7	94	4	2	113	41	58.38	73	57.25	9/9/2002	15:07	0.3	25	6.9	224
2002	7	94	4	2	115	41	57.78	73	57.47	9/9/2002	15:17	0.3	24.6	7	226
2002	7	95	4	2	111	41	59.083	73	57.079	9/9/2002	14:56	0.3	24.3	5.5	223
2002	7	96	4	2	105	42	0.22	73	56.65	9/9/2002	14:30	0.3	26	7.9	220
2002	7	96	4	2	110	41	59.4	73	56.94	9/9/2002	14:43	0.3	25.8	7.8	229
2002	7	97	4	2	102	42	0.83	73	56.38	9/9/2002	13:59	0.3	24.4	7	255
2002	7	97	4	2	103	42	0.5	73	56.51	9/9/2002	14:14	0.3	26	8.7	228
2002	7	98	4	2	101	42	1.426	73	56.456	9/9/2002	13:40				
2002	7	98	4	2	100	42	1.67	73	56.54	9/9/2002	13:20	0.3	23.8	6.8	229
2002	7	114	4	4	82	42	14.31	73	50.58	9/9/2002	12:29	0.3	24.2	7.5	254
2002	7	114	4	4	83	42	14.26	73	50.71	9/9/2002	12:46	0.3	24.1	7.2	252
2002	7	115	6	4	80	42	14.8	73	49.1	9/9/2002	12:14	0.3	24.3	7.2	244
2002	7	116	6	4	77	42	15.02	73	48.31	9/9/2002	11:54	0.3	24	7.1	250
2002	7	118	4	4	74	42	16.42	73	47.92	9/9/2002	11:39	0.3	24.1	7.2	255
2002	7	119	6	4	69	42	17.29	73	46.78	9/9/2002	11:24	0.3	24.2	6.8	245
2002	7	121	4	4	67	42	18.82	73	46.89	9/9/2002	10:59	0.3	24.2	7.5	254

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	7	122	6	4	62	42	20.105	73	46.848	9/9/2002	10:47	0.3	23.6	7.2	257
2002	7	123	4	4	59					9/9/2002	10:37	0.3	22.9	7.3	250
2002	7	124	6	4	56	42	21.49	73	47.29	9/9/2002	10:25	0.3	22.8	7.3	257
2002	7	130	6	4	36					9/9/2002	10:00	0.3	22.8	7.3	250
2002	7	131	4	4	33	42	28.06	73	47.13	9/9/2002	9:21	0.3	22.9	7.3	249
2002	7	131	4	4	35	42	27.8	73	47.1	9/9/2002	9:40	0.3	22.9	7.7	250
2002	7	132	4	4	30					9/9/2002	9:05	0.3	22.8	7.2	251
2002	7	134	4	4	28	42	30.027	73	46.913	9/9/2002	8:52	0.3	22.8	7.4	256
2002	7	135	4	4	26	42	30.91	73	46.27	9/9/2002	8:31	0.3	22.8	6.5	250
2002	7	137	6	4	24	42	32.262	73	45.288	9/9/2002	8:14	0.3	22.9	6.6	257
2002	8	16	4	4	262	40	54.9	73	55.7	9/24/2002	14:49	0.3	22.9	7.6	23914
2002	8	18	6	4	261	40	56.27	73	54.17	9/24/2002	15:06	0.3	23.4	7.2	26488
2002	8	19	6	4	259	40	57.735	73	53.561	9/24/2002	15:22	0.3	23.2	7.3	25750
2002	8	23	6	4	254	41	1.086	73	52.681	9/24/2002	15:53	0.3	23.7	8	21935
2002	8	23	6	2	255	41	0.74	73	52.83	9/24/2002	15:37	0.3	23.2	7.6	23982
2002	8	24	6	4	252	41	2.057	73	52.505	9/24/2002	16:11	0.3	23.7	7	21782
2002	8	25	4	2	270	41	2.783	73	55.05	9/23/2002	14:12	0.3	22.3	8.6	18537
2002	8	25	4	2	250	41	2.86	73	55.07	9/24/2002	14:01	0.3	23.2	8.4	17987
2002	8	25	4	2	284	41	2.57	73	54.94	9/24/2002	14:24	0.3	22.3	8.3	18537
2002	8	25	6	4	251	41	2.46	73	52.42	9/25/2002	16:26	0.3	23.3	7.6	22324
2002	8	26	4	2	246	41	3.6	73	55.2	9/24/2002	13:39	0.3	22.6	9.3	17898
2002	8	26	4	2	271	41	3.77	73	55.22	9/24/2002	13:18	0.3	23.2	8.6	17573
2002	8	26	4	2	283	41	8.34	73	54.4	9/24/2002	13:51	0.3	23.3	8.3	17764
2002	8	26	6	4	247	41	3.891	73	52.077	9/24/2002	17:01	0.3	22.9	8.8	20803
2002	8	26	6	4	248	41	3.273	73	52.221	9/24/2002	16:49	0.3	23.1	7.5	20821
2002	8	26	6	4	249	41	2.67	73	52.3	9/24/2002	16:42	0.3	23.1	8	20862
2002	8	27	4	2	245	41	4.19	73	55.21	9/24/2002	12:58	0.3	23.2	8.3	17522
2002	8	27	4	2	272	41	4.49	73	55.14	9/24/2002	12:50	0.3	23.1	8.2	17403
2002	8	28	6	4	243	41	5.683	73	52.214	9/24/2002	17:28	0.3	23.4	8.9	18335
2002	8	28	6	1	244	41	5.33	73	52.33	9/24/2002	17:20	0.3	23.6	9.9	18249
2002	8	29	4	2	242	41	6.1	73	54.88	9/23/2002	12:29	0.3	23.2	7.9	16540
2002	8	30	4	2	241	41	7.14	73	54.77	9/23/2002	12:17	0.3	23.1	8.8	16056
2002	8	31	4	2	285	41	3.607	73	55.196	9/24/2002	12:04	0.3	23.1	8.1	15642
2002	8	32	4	2	239	41	8.81	73	54.6	9/24/2002	11:45	0.3	23	8.7	14906
2002	8	32	4	2	240	41	8.48	73	54.42	9/24/2002	11:54	0.3	23	7.9	15155
2002	8	32	6	4	236	41	9.79	73	52.202	9/24/2002	18:19	0.3	23.1	8.9	15455
2002	8	32	6	4	237	41	9.274	73	52.181	9/24/2002	17:56	0.3	23.1	9.3	15818
2002	8	32	6	4	238	41	8.85	73	52.123	9/24/2002	17:45	0.3	23.5	9.1	15718
2002	8	32	6	4	269	41	9.445	73	52.243	9/24/2002	18:07	0.3	23.3	9.1	15433
2002	8	34	6	2	233	41	10.662	73	53.922	9/25/2002	13:40	0.3	23.2	10.1	15341
2002	8	34	6	2	234	41	10.19	73	53.93	9/25/2002	13:30	0.3	23.1	11	15331
2002	8	35	4	2	277	41	10.95	73	57.06	9/25/2002	13:15	0.3	24.1	8.8	13496
2002	8	35	6	2	231	41	11.23	73	53.69	9/25/2002	14:00	0.3	23.4	8.9	14649

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	8	35	6	2	275	41	11.31	73	53.54	9/25/2002	14:11	0.3	23.3	9	14649
2002	8	36	4	2	227	41	11.02	73	57.41	9/25/2002	13:06	0.3	24.4	8.7	13342
2002	8	36	4	2	281	41	11.13	73	57.16	9/25/2002	12:59	0.3	24.7	8.8	13260
2002	8	36	4	2	282	41	11.2	73	57.17	9/25/2002	12:49	0.3	24.6	9	13247
2002	8	37	4	2	224					9/25/2002	12:25	0.3	24.7	8.8	13270
2002	8	37	4	2	225	41	12.096	73	57.458	9/25/2002	12:33	0.3	24.5	8.7	13395
2002	8	38	4	2	222	41	12.979	73	57.867	9/25/2002	11:55	0.3	25.1	9.2	12794
2002	8	38	4	2	278	41	12.96	73	57.828	9/25/2002	11:45	0.3	24.9	8.5	12806
2002	8	38	4	4	279	41	13.36	73	57.82	9/25/2002	11:32	0.3	24.3	8.9	12915
2002	8	38	4	4	280	41	13.4	73	57.81	9/25/2002	11:23	0.3	24.7	9	12769
2002	8	39	6	4	217	41	14.098	73	56.682	9/25/2002	11:04	0.3	24.6	8.8	11399
2002	8	41	6	4	208	41	15.72	73	50.84	9/25/2002	10:49	0.3	24.4	8.2	11436
2002	8	43	6	4	204	41	16.693	73	56.484	9/25/2002	10:30	0.3	21	8.9	10476
2002	8	44	6	4	201	41	17.74	73	56.87	9/25/2002	10:11	0.3	23.5	9.7	10540
2002	8	46	6	4	199	41	19.42	73	58.77	9/25/2002	9:28	0.3	23.1	8.8	8701
2002	8	49	4	4	196	41	21.16	73	57.74	9/25/2002	8:54	0.3	23.4	8.4	7803
2002	8	52	6	4	193	41	24.12	73	57.31	9/25/2002	8:14	0.3	23.2	7.1	7629
2002	8	52	6	4	194	41	24.12	73	56.81	9/25/2002	8:29	0.3	23.2	6.8	7412
2002	8	53	4	4	192	41	24.19	73	57.95	9/25/2002	7:45	0.3	23	8.7	6664
2002	8	55	6	4	189	41	25.66	73	58.14	9/25/2002	7:20	0.3	22.6	9	6699
2002	8	56	4	4	187	41	26.83	74	0.5	9/24/2002	10:28	0.3	21.8	8.1	5002
2002	8	57	4	4	185	41	27.68	74	0.73	9/24/2002	10:01	0.3	21.5	8	4556
2002	8	57	4	4	186	41	27.28	74	0.8	9/24/2002	10:14	0.3	21.6	7.6	5343
2002	8	59	6	4	178	41	29.25	73	59.32	9/24/2002	9:36	0.3	21.5	8.2	4541
2002	8	59	6	4	179	41	29.24	73	59.34	9/24/2002	9:43	0.3	21.5	8	4551
2002	8	61	4	4	174	41	31.15	74	0.37	9/24/2002	9:17	0.3	23.6	8.1	3178
2002	8	63	4	4	166					9/24/2002	9:01	0.3	22.2	6	2026
2002	8	72	4	4	151	41	40.04	73	57.11	9/24/2002	8:30	0.3	22.1	7.3	1290
2002	8	72	6	4	152	41	39.77	73	56.55	9/24/2002	8:44	0.3	22.2	6.1	1266
2002	8	73	6	4	150	41	40.28	73	56.49	9/24/2002	8:14	0.3	21.4	7.3	1180
2002	8	74	6	4	148	41	41.15	73	56.31	9/24/2002	7:55	0.3	21.8	7	1404
2002	8	81	4	4	135	41	47.474	73	57.457	9/23/2002	18:12	0.3	22.6	9.1	250
2002	8	82	4	4	134	41	48.51	73	57.22	9/23/2002	18:00	0.3	22.3	9.1	248
2002	8	83	4	4	133	41	48.74	73	57.19	9/23/2002	17:33	0.3	22.2	9.6	242
2002	8	84	4	4	129	41	50.61	73	57.28	9/23/2002	12:20	0.3	22.9	9.6	239
2002	8	85	6	2	127	41	51.18	73	56.5	9/23/2002	17:00	0.3	22.3	9.4	237
2002	8	86	6	2	125	41	51.75	73	55.89	9/23/2002	16:44	0.3	22.8	9.6	243
2002	8	88	6	2	122	41	53.023	73	56.214	9/23/2002	16:34	0.3	22.6	9.6	237
2002	8	89	6	2	121	41	53.84	73	57.04	9/23/2002	16:20	0.3	22.8	9.5	239
2002	8	90	6	2	120	41	54.02	73	57.2	9/23/2002	16:10	0.3	22.9		236
2002	8	93	4	2	116	41	57.05	73	57.77	9/23/2002	15:41	0.3	22.7	9.3	236
2002	8	95	4	2	111	41	59.083	73	57.079	9/23/2002	15:21	0.3	22.2	9.7	243
2002	8	97	4	2	102	42	0.83	73	56.38	9/23/2002	14:48	0.3	23.2	9.8	237

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	8	97	4	2	103	42	0.5	73	56.51	9/23/2002	15:10	0.3	22.3	9.7	239
2002	8	98	4	2	100	42	1.67	73	56.54	9/23/2002	14:21	0.3	22.8	9.9	233
2002	8	98	4	2	101	42	1.426	73	56.456	9/23/2002	14:37	0.3		10.3	312
2002	8	99	6	2	99	42	2.02	73	55.73	9/23/2002	14:03	0.3	23	8.9	238
2002	8	105	4	2	97	42	7.68	73	55.13	9/23/2002	13:25	0.3	23.1	8.9	249
2002	8	105	4	2	98	42	7.33	73	55.3	9/23/2002	13:45	0.3	22.3	8.9	237
2002	8	106	4	2	96	42	8.147	73	54.796	9/23/2002	13:02	0.3	23.2	9.1	267
2002	8	115	6	4	79	42	14.8	73	49	9/23/2002	12:18	0.3	22.5	8.2	236
2002	8	117	4	4	76	42	15.84	73	47.69	9/23/2002	12:03	0.3	22.8	8.4	232
2002	8	118	4	4	73	42	16.76	73	47.67	9/23/2002	11:48	0.3	22.1	9.5	254
2002	8	119	6	4	72	42	16.82	73	47.28	9/23/2002	11:24	0.3	22.4	8.8	236
2002	8	121	4	4	68	42	18.53	73	47.1	9/23/2002	11:10	0.3	22.3	8.3	242
2002	8	122	4	4	61	42	20.29	73	47.24	9/23/2002	10:43	0.3	22.6	8.6	234
2002	8	122	6	4	64	42	19.9	73	46.8	9/23/2002	10:58	0.3	22.3	8.4	237
2002	8	123	4	4	59					9/23/2002	10:20	0.3	22.5	8.7	234
2002	8	124	4	4	56	42	21.49	73	47.29	9/23/2002	9:50	0.3	21.6	9.1	235
2002	8	124	6	4	57	42	21.28	73	47.32	9/23/2002	10:06	0.3	21.6	9.1	237
2002	8	125	6	4	52	42	22.39	73	47.45	9/23/2002	9:34	0.3	21.6	9.3	238
2002	8	126	4	4	49	42	23.4	73	47.52	9/23/2002	9:23	0.3	22	9.5	234
2002	8	130	6	4	36					9/23/2002	9:08	0.3	22.2	8.2	232
2002	8	131	4	4	33	42	28.06	73	47.13	9/23/2002	8:55	0.3	22.2	8.6	234
2002	8	132	4	4	30					9/23/2002	8:40	0.3	22.2	7.8	248
2002	8	134	4	4	27	42	30.17	73	46.88	9/23/2002	8:17	0.3	22.1	8.1	243
2002	8	139	4	4	19	42	34.03	73	45.26	9/23/2002	8:03	0.3	22.1	8.3	253
2002	9	15	4	2	263	40	54.252	73	55.961	10/9/2002	11:00	0.3	19.4	6.8	21157
2002	9	16	4	2	262	40	54.9	73	55.7	10/9/2002	11:29	0.3	20	5.9	21265
2002	9	19	6	2	259	40	57.735	73	53.561	10/9/2002	11:50	0.3	20.2	5.6	20901
2002	9	20	6	2	258	40	57.73	73	53.661	10/9/2002	12:16	0.3	20.6	5.8	19437
2002	9	21	6	2	257	40	59.13	73	53.13	10/9/2002	12:31	0.3	20	6.1	20127
2002	9	24	6	2	252	41	2.057	73	52.505	10/9/2002	12:55	0.3	20.2	7.1	19162
2002	9	25	4	4	250	41	2.86	73	55.07	10/9/2002	10:09	0.3	18.1	7.8	16690
2002	9	25	4	2	270	41	2.783	73	55.05	10/9/2002	10:19	0.3	18	7.3	16657
2002	9	25	4	2	284	41	2.57	73	54.94	10/9/2002	10:30	0.3	18	7.3	16611
2002	9	25	6	2	251	41	2.46	73	52.42	10/9/2002	13:09	0.3	20.2	7.1	18710
2002	9	26	4	2	246	41	3.6	73	55.2	10/9/2002	9:48	0.3	18.1	6.3	16575
2002	9	26	4	2	271	41	3.77	73	55.22	10/9/2002	9:38	0.3	18.3	7.5	16274
2002	9	26	4	2	283	41	8.34	73	54.4	10/9/2002	9:59	0.3	18.1	6.9	17035
2002	9	26	6	2	247	41	3.891	73	52.077	10/9/2002	14:06	0.3	20.5	5.8	17717
2002	9	26	6	2	248	41	3.273	73	52.221	10/9/2002	13:49	0.3	20.5	5.7	18592
2002	9	26	6	2	249	41	2.67	73	52.3	10/9/2002	13:34	0.3	20.6	5.6	18553
2002	9	27	4	4	245	41	4.19	73	55.21	10/9/2002	9:15	0.3	19.2	7	16076
2002	9	27	4	4	272	41	4.49	73	55.14	10/9/2002	8:55	0.3	19	6.3	16484
2002	9	28	6	2	243	41	5.683	73	52.214	10/9/2002	14:39	0.3	20.2	6.3	16289

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	9	28	6	2	244	41	5.33	73	52.33	10/9/2002	14:28	0.3	20.1	6.1	16390
2002	9	29	4	4	242	41	6.1	73	54.88	10/9/2002	8:39	0.3	19	6.5	16258
2002	9	30	4	4	241	41	7.14	73	54.77	10/9/2002	8:25	0.3	19.8	6.2	14763
2002	9	31	4	4	285	41	3.607	73	55.196	10/9/2002	8:14	0.3	19.8	6.3	14330
2002	9	32	4	4	239	41	8.81	73	54.6	10/9/2002	7:45	0.3	20	6.3	14004
2002	9	32	4	4	240	41	8.48	73	54.42	10/9/2002	7:55	0.3	20.2	6.4	13967
2002	9	32	6	2	237	41	9.274	73	52.181	10/9/2002	15:19	0.3	20.3		14168
2002	9	32	6	2	238	41	8.85	73	52.123	10/9/2002	14:59	0.3	20.5	6.6	14207
2002	9	32	6	2	269	41	9.445	73	52.243	10/9/2002	15:30	0.3	20.5	6.9	14141
2002	9	33	6	2	236	41	9.79	73	52.202	10/9/2002	15:44	0.3	20.2	7	14176
2002	9	34	6	4	233	41	10.662	73	53.922	10/8/2002	17:27	0.3	21.8	8.2	13835
2002	9	34	6	4	234	41	10.19	73	53.93	10/8/2002	17:07	0.3	22.1	8.1	14172
2002	9	35	4	4	229	41	10.59	73	56.41	10/8/2002	16:41	0.3	21.9	6.5	13105
2002	9	35	4	4	230	41	10.59	73	56.39	10/8/2002	16:51	0.3	22	6.5	13142
2002	9	35	4	2	277	41	10.95	73	57.06	10/8/2002	16:30	0.3	22	6.4	12919
2002	9	35	6	4	231	41	11.23	73	53.69	10/8/2002	18:00	0.3	21.1	7.3	13111
2002	9	35	6	4	274	41	11.17	73	53.71	10/8/2002	17:46	0.3	21.3	7.4	13099
2002	9	36	4	4	226	41	11.8	73	57.5	10/8/2002	15:56	0.3	21.9	6.2	13222
2002	9	36	4	4	281	41	11.13	73	57.16	10/8/2002	16:19	0.3	21.8	6.2	12877
2002	9	36	4	4	282	41	11.2	73	57.17	10/8/2002	16:06	0.3	22.1	6.4	13114
2002	9	38	4	2	221	41	13.43	73	57.79	10/8/2002	15:00	0.3	22.5	6	12513
2002	9	38	4	2	222	41	12.979	73	57.867	10/8/2002	15:30	0.3	22	6.4	13036
2002	9	38	4	2	278	41	12.96	73	57.828	10/8/2002	15:20	0.3	22.7	6	12743
2002	9	38	4	2	279	41	13.36	73	57.82	10/8/2002	15:10	0.3	22.6	6.1	12602
2002	9	39	4	2	215	41	13.62	73	58.34	10/8/2002	14:41	0.3	22.3	5.9	10890
2002	9	40	6	2	210	41	14.87	73	57.74	10/8/2002	14:20	0.3	22.9	6.1	11650
2002	9	42	6	2	205	41	16.413	73	56.551	10/8/2002	14:05	0.3	22.2	6.5	12032
2002	9	43	6	2	203	41	16.91	73	56.26	10/8/2002	13:42	0.3	22.2	6.5	8697
2002	9	44	6	2	201	41	17.74	73	56.87	10/8/2002	13:22	0.3	22.4	6.7	8860
2002	9	49	4	2	196	41	21.16	73	57.74	10/8/2002	12:42	0.3	21.6	6.3	6701
2002	9	52	6	2	193	41	24.12	73	57.31	10/8/2002	12:19	0.3	21.4	6.3	5988
2002	9	53	4	2	192	41	24.19	73	57.95	10/8/2002	12:02	0.3	21	6.8	5260
2002	9	54	6	2	190	41	24.961	73	57.702	10/8/2002	11:45	0.3	20.6	7.1	4595
2002	9	55	6	2	189	41	25.66	73	58.14	10/8/2002	11:35	0.3	20.6	7	4547
2002	9	56	4	2	187	41	26.83	74	0.5	10/8/2002	11:00	0.3	20.8	7.1	3335
2002	9	56	4	2	188	41	26.47	73	59.66	10/8/2002	11:10	0.3	20.4	6.5	3398
2002	9	59	6	4	179	41	29.24	73	59.34	10/8/2002	10:24	0.3	19	6.8	3587
2002	9	59	6	4	180	41	29.08	73	59.37	10/8/2002	10:36	0.3	19.4	6.8	3561
2002	9	60	6	4	177	41	29.52	73	59.24	10/8/2002	9:59	0.3	19.2	6.5	3586
2002	9	60	6	4	178	41	29.25	73	59.32	10/8/2002	10:08	0.3	19.4	6.5	3582
2002	9	62	6	4	170	41	31.8	73	58.98	10/8/2002	9:30	0.3	20	7	1984
2002	9	63	6	4	167	41	32.41	73	58.61	10/8/2002	9:19	0.3	19.8	6.4	1979
2002	9	69	4	4	155	41	37.44	73	57.43	10/8/2002	8:05	0.3	20.1	6.8	806

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	9	69	6	4	157	41	36.97	73	56.85	10/8/2002	8:20	0.3	20.1	6.4	805
2002	9	71	4	4	154	41	38.88	73	57.23	10/8/2002	7:40	0.3	20.1	6.2	792
2002	9	81	4	4	135	41	47.474	73	57.457	10/7/2002	17:45	0.3	20.3	7.1	244
2002	9	81	6	4	136					10/7/2002	18:00	0.3	20.1	7	246
2002	9	82	4	4	134	41	48.51	73	57.22	10/7/2002	17:24	0.3	20.3	7.1	252
2002	9	83	6	4	132					10/7/2002	17:09	0.3	20.2	7	247
2002	9	84	4	4	129	41	50.61	73	57.28	10/7/2002	16:49	0.3	20.2	7.1	251
2002	9	86	6	4	125	41	51.75	73	55.89	10/7/2002	16:29	0.3	20.1	7.1	248
2002	9	88	6	4	122	41	53.023	73	56.214	10/7/2002	16:13	0.3	20.3	7.1	264
2002	9	89	6	2	121	41	53.84	73	57.04	10/7/2002	15:59	0.3	20.1	7	262
2002	9	92	4	2	118	41	56.32	73	58.1	10/7/2002	15:50	0.3	20	6.8	249
2002	9	93	4	2	116	41	57.05	73	57.77	10/7/2002	15:27	0.3	19.8	6.5	250
2002	9	94	4	2	113	41	58.38	73	57.25	10/7/2002	15:13	0.3	19.7	7.5	247
2002	9	96	4	2	105	42	0.22	73	56.65	10/7/2002	14:55	0.3	19.2	8	260
2002	9	96	4	2	108	41	59.76	73	56.81	10/7/2002	15:03	0.3	19.2	7.9	262
2002	9	97	4	2	102	42	0.83	73	56.38	10/7/2002	14:37	0.3	19.3	8.6	261
2002	9	97	4	2	103	42	0.5	73	56.51	10/7/2002	14:44	0.3	19.2	7.2	248
2002	9	98	4	2	100	42	1.67	73	56.54	10/7/2002	14:18	0.3	19.4	7.4	249
2002	9	98	4	2	101	42	1.426	73	56.456	10/7/2002	14:28	0.3	19.1	8.2	263
2002	9	105	4	2	98	42	7.33	73	55.3	10/7/2002	13:56	0.3	19.6	7.4	259
2002	9	106	4	2	96	42	8.147	73	54.796	10/7/2002	13:41	0.3	19.6	8	274
2002	9	115	6	2	79	42	14.8	73	49	10/7/2002	13:07	0.3	19.1	8.2	282
2002	9	116	6	2	77	42	15.02	73	48.31	10/7/2002	12:38	0.3	19.7	8.6	278
2002	9	119	6	4	69	42	17.29	73	46.78	10/7/2002	11:59	0.3	19	8.2	272
2002	9	119	6	4	72	42	16.82	73	47.28	10/7/2002	12:12	0.3	18.8	8.1	273
2002	9	121	4	4	65	42	19.307	73	47.217	10/7/2002	11:29	0.3	19	8	283
2002	9	121	4	4	68	42	18.53	73	47.1	10/7/2002	11:40	0.3	18.8	8.1	283
2002	9	122	4	4	63	42	19.84	73	47.18	10/7/2002	11:10	0.3	19	8.3	292
2002	9	122	6	4	62	42	20.105	73	46.848	10/7/2002	10:44	0.3	18	7.8	266
2002	9	123	4	4	59					10/7/2002	10:30	0.3	18	7.8	264
2002	9	124	6	4	55	42	21.64	73	47.62	10/7/2002	10:15	0.3	18.3	7.8	258
2002	9	125	6	4	54	42	22.034	73	47.302	10/7/2002	9:58	0.3	18.2	8.2	287
2002	9	126	4	4	50	42	23.21	73	47.62	10/7/2002	9:38	0.3	18.7	7	265
2002	9	132	4	4	30					10/7/2002	8:58	0.3	19	7.9	261
2002	9	132	4	4	32	42	28.13	73	47.21	10/7/2002	9:24	0.3	18.4	8.1	263
2002	9	134	4	4	28	42	30.027	73	46.913	10/7/2002	8:39	0.3	19	7.8	254
2002	9	138	4	4	20	42	33.5	73	45.35	10/7/2002	8:10	0.3	18.5	7.7	251
2002	9	138	4	4	21	42	33.51	73	45.33	10/7/2002	8:23	0.3	18.5	7.3	257
2002	10	18	6	2	261	40	56.27	73	54.17	10/23/2002	11:34	0.3	15.5	9.1	17544
2002	10	19	6	2	259	40	57.735	73	53.561	10/23/2002	11:13	0.3	15.6	9.7	12521
2002	10	22	6	2	256	40	59.97	73	53.05	10/23/2002	10:59	0.3	14.8	9.8	11757
2002	10	23	6	2	254	41	1.086	73	52.681	10/23/2002	10:27	0.3	14.7	9.3	11783
2002	10	23	6	2	255	41	0.74	73	52.83	10/23/2002	10:44	0.3	14.8	9.4	12016

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	10	24	6	2	252	41	2.057	73	52.505	10/23/2002	10:13	0.3	15.3	9.4	11418
2002	10	25	4	2	250	41	2.86	73	55.07	10/23/2002	12:37	0.3	14.1	9.7	12069
2002	10	25	4	2	270	41	2.783	73	55.05	10/23/2002	12:13	0.3	13.9	9.8	11884
2002	10	25	4	2	284	41	2.57	73	54.94	10/23/2002	12:06	0.3	14	10	11845
2002	10	25	6	2	251	41	2.46	73	52.42	10/23/2002	10:00	0.3	15.3	9.2	11381
2002	10	26	4	4	246	41	3.6	73	55.2	10/23/2002	13:04	0.3	13.7	9.6	11900
2002	10	26	4	4	271	41	3.77	73	55.22	10/23/2002	13:20	0.3	14	9.9	11744
2002	10	26	4	2	283	41	8.34	73	54.4	10/23/2002	12:50	0.3	14	9.9	11845
2002	10	26	6	2	247	41	3.891	73	52.077	10/23/2002	9:22	0.3	14.5	9.2	11338
2002	10	26	6	2	248	41	3.273	73	52.221	10/23/2002	9:38	0.3	14.7	9.3	11659
2002	10	26	6	2	249	41	2.67	73	52.3	10/23/2002	9:49	0.3	14.9	9.8	11644
2002	10	27	4	4	245	41	4.19	73	55.21	10/23/2002	13:32	0.3	14.2	9.8	11829
2002	10	27	4	4	272	41	4.49	73	55.14	10/23/2002	13:45	0.3	15.1	10	10645
2002	10	28	6	2	243	41	5.683	73	52.214	10/23/2002	9:00	0.3	14.1	10.3	10183
2002	10	28	6	2	244	41	5.33	73	52.33	10/23/2002	9:09	0.3	14.2	10	10160
2002	10	29	4	4	242	41	6.1	73	54.88	10/22/2002	17:32	0.3	15.6	8.9	10455
2002	10	30	4	4	241	41	7.14	73	54.77	10/22/2002	17:14	0.3	15.5	8.8	10112
2002	10	31	4	4	285	41	3.607	73	55.196	10/22/2002	17:00	0.3	16	8.9	9760
2002	10	32	4	4	239	41	8.81	73	54.6	10/22/2002	16:42	0.3	16.4	9.3	9316
2002	10	32	4	4	240	41	8.48	73	54.42	10/22/2002	16:52	0.3	16	9	9724
2002	10	32	6	4	237	41	9.274	73	52.181	10/23/2002	8:15	0.3	14.2	9.1	9069
2002	10	32	6	4	238	41	8.85	73	52.123	10/23/2002	8:34	0.3	14.7	9.3	9228
2002	10	32	6	4	269	41	9.445	73	52.243	10/23/2002	7:59	0.3	15.3	9.1	9337
2002	10	33	6	4	236	41	9.79	73	52.202	10/23/2002	7:41	0.3	14.5	9.1	9419
2002	10	34	6	4	233	41	10.662	73	53.922	10/22/2002	16:30	0.3	17.8	9	7994
2002	10	34	6	4	234	41	10.19	73	53.93	10/22/2002	16:20	0.3	17	9	8134
2002	10	35	4	4	229	41	10.59	73	56.41	10/22/2002	15:55	0.3	17.1	7.1	7704
2002	10	35	4	4	230	41	10.59	73	56.39	10/22/2002	16:04	0.3	17.9	8.4	7768
2002	10	36	4	4	227	41	11.02	73	57.41	10/22/2002	15:47	0.3	17.5	8.9	7708
2002	10	36	4	4	281	41	11.13	73	57.16	10/22/2002	15:37	0.3	17.4	8.5	7713
2002	10	36	4	4	282	41	11.2	73	57.17	10/22/2002	15:30	0.3	18	9.2	7267
2002	10	37	4	4	224					10/22/2002	15:10	0.3	17.7	9.2	7198
2002	10	37	4	4	225	41	12.096	73	57.458	10/22/2002	15:20	0.3	17.9	9.3	7283
2002	10	38	4	4	222	41	12.979	73	57.867	10/22/2002	14:40	0.3	18	8.8	6690
2002	10	38	4	4	223	41	12.89	73	57.806	10/22/2002	14:52	0.3	18.1	9.1	6803
2002	10	38	4	4	278	41	12.96	73	57.828	10/22/2002	14:30	0.3	18	9	6656
2002	10	38	4	4	279	41	13.36	73	57.82	10/22/2002	14:20	0.3	18.1	8.5	6676
2002	10	38	4	4	280	41	13.4	73	57.81	10/22/2002	14:10	0.3	18.2	8.6	6627
2002	10	40	4	2	209	41	14.97	73	58	10/22/2002	13:50	0.3	17.8	8.9	5793
2002	10	41	6	2	208	41	15.72	73	50.84	10/22/2002	13:37	0.3	18.1	8.7	5180
2002	10	43	6	2	204	41	16.693	73	56.484	10/22/2002	13:20	0.3	17	8.4	6365
2002	10	44	6	2	201	41	17.74	73	56.87	10/22/2002	12:54	0.3	17.6	9.4	3850
2002	10	46	6	2	199	41	19.42	73	58.77	10/22/2002	12:21	0.3	17.3	9.5	2854

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	10	52	6	2	193	41	24.12	73	57.31	10/22/2002	11:34	0.3	16.4	8.9	1047
2002	10	52	6	2	194	41	24.12	73	56.81	10/22/2002	11:48	0.3	16.5	9	1335
2002	10	53	4	2	192	41	24.19	73	57.95	10/22/2002	11:17	0.3	16.3	9.3	676
2002	10	53	6	4	191	41	24.882	73	57.554	10/22/2002	11:03	0.3	15.4	10	451
2002	10	55	6	4	189	41	25.66	73	58.14	10/22/2002	10:51	0.3	15.5	9.8	433
2002	10	56	4	4	187	41	26.83	74	0.5	10/22/2002	10:28	0.3	15.1	9.9	345
2002	10	56	4	4	188	41	26.47	73	59.66	10/22/2002	10:40	0.3	15	10	356
2002	10	58	4	4	183	41	28.02	74	0.87	10/22/2002	10:15	0.3	14.6	9.9	435
2002	10	59	6	4	178	41	29.25	73	59.32	10/22/2002	9:45	0.3	13.4	9.8	442
2002	10	59	6	4	179	41	29.24	73	59.34	10/22/2002	9:56	0.3	13.8	9.9	419
2002	10	61	4	4	174	41	31.15	74	0.37	10/22/2002	9:31	0.3	15.5	10.1	260
2002	10	63	4	4	166					10/22/2002	9:15	0.3	15.6	10.1	259
2002	10	72	4	4	151	41	40.04	73	57.11	10/22/2002	8:15	0.3	14.1	10.3	277
2002	10	72	6	4	152	41	39.77	73	56.55	10/22/2002	8:29	0.3	14.6	9.8	251
2002	10	73	6	4	150	41	40.28	73	56.49	10/22/2002	7:59	0.3	14.2	10	257
2002	10	74	6	4	148	41	41.15	73	56.31	10/22/2002	7:41	0.3	14.1	9.3	255
2002	10	80	6	4	137	41	46.14	73	56.82	10/21/2002	17:17	0.3	14.7	10	253
2002	10	81	4	4	135	41	47.474	73	57.457	10/21/2002	16:40	0.3	13.5	10.8	247
2002	10	83	4	4	133	41	48.74	73	57.19	10/21/2002	16:23	0.3	13.5	11.3	251
2002	10	84	4	2	129	41	50.61	73	57.28	10/21/2002	15:59	0.3	13.5	10.4	251
2002	10	85	6	2	127	41	51.18	73	56.5	10/21/2002	15:45	0.3	13.6	10.4	254
2002	10	86	6	2	125	41	51.75	73	55.89	10/21/2002	15:25	0.3	14	11.3	257
2002	10	89	6	2	121	41	53.84	73	57.04	10/21/2002	15:12	0.3	13.9	11.4	264
2002	10	90	6	2	120	41	54.02	73	57.2	10/21/2002	14:57	0.3	14	11.4	258
2002	10	92	4	2	118	41	56.32	73	58.1	10/21/2002	14:47	0.3	13.7	11	259
2002	10	93	4	2	116	41	57.05	73	57.77	10/21/2002	14:28	0.3	13.6	11	244
2002	10	95	4	2	111	41	59.083	73	57.079	10/21/2002	14:09	0.3	13.4	11.3	255
2002	10	97	4	2	102	42	0.83	73	56.38	10/21/2002	13:46	0.3	14	11.1	247
2002	10	97	4	2	103	42	0.5	73	56.51	10/21/2002	13:59	0.3	13.7	11.8	245
2002	10	98	4	2	100	42	1.67	73	56.54	10/21/2002	13:20	0.3	13.4	11.4	267
2002	10	98	4	2	101	42	1.426	73	56.456	10/21/2002	13:33	0.3	13.4	11.3	253
2002	10	99	6	2	99	42	2.02	73	55.73	10/21/2002	13:00	0.3	13.1	11.3	262
2002	10	105	4	4	97	42	7.68	73	55.13	10/21/2002	12:40	0.3	13.1	11	278
2002	10	105	4	2	98	42	7.33	73	55.3	10/21/2002	12:52	0.3	13.1	10.8	278
2002	10	106	4	2	96	42	8.147	73	54.796	10/21/2002	12:27	0.3	13.1	11.1	274
2002	10	114	4	4	81	42	14.39	73	50.549	10/21/2002	11:47	0.3	13.2	11.1	275
2002	10	115	6	4	79	42	14.8	73	49	10/21/2002	11:29	0.3	12.5	11.3	292
2002	10	117	4	4	76	42	15.84	73	47.69	10/21/2002	11:15	0.3	12	11.2	284
2002	10	119	6	4	72	42	16.82	73	47.28	10/21/2002	11:01	0.3	12.4	11.2	293
2002	10	121	4	4	68	42	18.53	73	47.1	10/21/2002	10:49	0.3	11.9	11.1	290
2002	10	122	4	4	61	42	20.29	73	47.24	10/21/2002	10:24	0.3	12.1	11.3	283
2002	10	122	6	4	64	42	19.9	73	46.8	10/21/2002	10:38	0.3	12.2	11.2	290
2002	10	123	4	4	59					10/21/2002	10:10	0.3	11.8	11.4	285

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2002	10	124	6	4	56	42	21.49	73	47.29	10/21/2002	9:47	0.3	11.6	11.5	293
2002	10	124	6	4	57	42	21.28	73	47.32	10/21/2002	9:58	0.3	12.1	11.8	295
2002	10	125	6	4	52	42	22.39	73	47.45	10/21/2002	9:34	0.3	12	11	313
2002	10	126	4	4	49	42	23.4	73	47.52	10/21/2002	9:17	0.3	12.1	11.4	299
2002	10	128	4	4	44	42	25	73	46.99	10/21/2002	9:03	0.3	12.1	11.2	295
2002	10	129	4	4	40	42	25.67	73	46.67	10/21/2002	8:47	0.3	12	11.6	292
2002	10	131	4	4	33	42	28.06	73	47.13	10/21/2002	8:32	0.3	12	10.9	293
2002	10	132	4	4	30					10/21/2002	8:14	0.3	12.1	10.2	337
2002	10	134	4	4	27	42	30.17	73	46.88	10/21/2002	8:00	0.3	12.1	10.5	353
2003	1	15	4	4	264	40	53.57	73	56.32	6/19/2003	10:38	0.3	20.1	7.8	4026
2003	1	18	4	4	260	40	56.889	73	55.1	6/19/2003	10:12	0.3	20.2	7.3	3442
2003	1	23	6	4	254	41	1.086	73	52.681	6/19/2003	10:59	0.3	20.5	7.4	2071
2003	1	24	6	4	252	41	2.057	73	52.505	6/19/2003	11:16	0.3	20.5	8	1551
2003	1	26	4	4	246	41	3.6	73	55.2	6/19/2003	9:48	0.3	20	8.3	1579
2003	1	26	4	4	285	41	3.607	73	55.196	6/19/2003	9:51	0.3	20	8.3	1581
2003	1	28	6	2	243	41	5.683	73	52.214	6/19/2003	11:38	0.3	21.3	7.6	875
2003	1	30	4	4	241	41	7.14	73	54.77	6/19/2003	9:13	0.3	20.2	7.5	1051
2003	1	31	4	4	283	41	8.34	73	54.4	6/19/2003	9:00	0.3	20.1	7.8	1086
2003	1	32	4	4	239	41	8.81	73	54.6	6/19/2003	8:28	0.3	20.1	8.8	969
2003	1	32	4	4	240	41	8.48	73	54.42	6/19/2003	8:53	0.3	20.2	7.3	1083
2003	1	32	6	2	237	41	9.274	73	52.181	6/19/2003	11:50	0.3	21.1	8	524
2003	1	32	6	2	269	41	9.445	73	52.243	6/19/2003	12:04	0.3	21.1	8	545
2003	1	33	6	2	236	41	9.79	73	52.202	6/19/2003	12:16	0.3	21.5	8	562
2003	1	34	6	2	233	41	10.662	73	53.922	6/19/2003	12:48	0.3	21.6	8.1	501
2003	1	34	6	2	234	41	10.19	73	53.93	6/19/2003	12:32	0.3	21.4	8.8	507
2003	1	35	4	4	277	41	10.95	73	57.06	6/19/2003	8:10	0.3	20.4	7.5	363
2003	1	35	6	2	274	41	11.17	73	53.71	6/19/2003	13:02	0.3	23	7.1	536
2003	1	35	6	2	275	41	11.31	73	53.54	6/19/2003	13:12	0.3	22.3	8.8	546
2003	1	36	6	2	276	41	12.17	73	53.51	6/19/2003	13:44	0.3	22.5	8	474
2003	1	38	4	4	280	41	13.4	73	57.81	6/17/2003	7:30	0.3	20	8	265
2003	1	40	4	4	214	41	14.31	73	58.5	6/18/2003	17:59	0.3	20.1	8.6	254
2003	1	41	6	4	208	41	15.72	73	50.84	6/18/2003	17:35	0.3	21.5	8.5	241
2003	1	42	6	4	207	41	15.3	73	57.8	6/18/2003	17:21	0.3	20.3	8.7	242
2003	1	52	6	4	193	41	24.12	73	57.31	6/18/2003	16:55	0.3	19.1	8.9	234
2003	1	53	4	4	192	41	24.19	73	57.95	6/18/2003	16:40	0.3	20.1	8.9	223
2003	1	55	6	4	189	41	25.66	73	58.14	6/18/2003	16:29	0.3	20	8.6	230
2003	1	56	4	4	188	41	26.47	73	59.66	6/18/2003	16:18	0.3	19.1	8.8	229
2003	1	58	6	4	182	41	28.2	73	59.12	6/18/2003	16:05	0.3	20.1	8.8	221
2003	1	59	6	2	179	41	29.24	73	59.34	6/18/2003	15:47	0.3	20.1	8.8	218
2003	1	63	6	2	167	41	32.41	73	58.61	6/18/2003	15:08	0.3	19.3	9.1	217
2003	1	64	4	2	163	41	33.48	73	59.05	6/18/2003	14:56	0.3	19.3	9	213
2003	1	65	4	2	162	41	33.99	73	58.39	6/18/2003	14:46	0.3	18.5	9.2	215
2003	1	69	4	2	155	41	37.44	73	57.43	6/18/2003	14:15	0.3	19.3	8.9	213

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2003	1	69	6	2	157	41	36.97	73	56.85	6/18/2003	14:29	0.3	19	9	218
2003	1	72	4	2	151	41	40.04	73	57.11	6/18/2003	13:48	0.3	19.4	8.9	216
2003	1	74	4	2	147	41	41.29	73	56.8	6/18/2003	13:21	0.3	19.5	8.9	211
2003	1	74	6	2	148	41	41.15	73	56.31	6/18/2003	13:31	0.3	19.3	9	214
2003	1	77	6	2	142	41	43.92	73	56.14	6/18/2003	12:50	0.3	19.3	9.2	214
2003	1	77	6	2	143	41	43.83	73	56.16	6/18/2003	12:57	0.3	19.3	9.2	213
2003	1	81	4	2	135	41	47.474	73	57.457	6/18/2003	12:24	0.3	19.4	9.1	214
2003	1	82	4	2	134	41	48.51	73	57.22	6/18/2003	12:05	0.3	19.2	9.2	219
2003	1	83	4	4	131	41	49.33	73	57.31	6/18/2003	11:18	0.3	19.3	9.2	218
2003	1	83	4	2	133	41	48.74	73	57.19	6/18/2003	11:34	0.3	19.3	9.2	218
2003	1	84	4	4	129	41	50.61	73	57.28	6/18/2003	11:08	0.3	20	9	212
2003	1	85	6	4	127	41	51.18	73	56.5	6/18/2003	10:49	0.3	20	9	216
2003	1	86	6	4	125	41	51.75	73	55.89	6/18/2003	10:34	0.3	20	8.9	217
2003	1	88	6	4	122	41	53.023	73	56.214	6/18/2003	10:10	0.3	19.9	9	216
2003	1	89	6	4	121	41	53.84	73	57.04	6/18/2003	9:54	0.3	20.2	8.9	214
2003	1	90	6	4	120	41	54.02	73	57.2	6/18/2003	9:47	0.3	20.2	9	215
2003	1	91	6	4	119	41	55.847	73	56.774	6/18/2003	9:24	0.3	20.1	8.9	216
2003	1	92	4	4	118	41	56.32	73	58.1	6/18/2003	7:25	0.3	18.9	9.2	224
2003	1	93	4	4	116	41	57.05	73	57.77	6/18/2003	7:42	0.3	19.1	9.2	224
2003	1	93	6	4	117	41	57.036	73	56.721	6/18/2003	9:07	0.3	19.4	9	218
2003	1	94	4	4	113	41	58.38	73	57.25	6/18/2003	8:20	0.3	20	9	219
2003	1	94	4	4	115	41	57.78	73	57.47	6/18/2003	8:04	0.3	19.2	9.2	220
2003	1	94	6	4	114	41	58.085	73	56.467	6/18/2003	8:51	0.3	19.6	9	221
2003	1	95	4	2	111	41	59.083	73	57.079	6/17/2003	17:55	0.3	20.3	8.8	209
2003	1	95	6	4	112	41	58.238	73	56.123	6/18/2003	8:37	0.3	20.2	9	221
2003	1	96	4	2	105	42	0.22	73	56.65	6/17/2003	17:27	0.3	20.3	8.7	209
2003	1	96	4	2	110	41	59.4	73	56.94	6/17/2003	17:35	0.3	20.2	8.8	208
2003	1	97	4	2	102	42	0.83	73	56.38	6/17/2003	17:10	0.3	21.1	8.6	204
2003	1	97	4	2	103	42	0.5	73	56.51	6/17/2003	17:20	0.3	20.3	8.8	208
2003	1	98	4	2	100	42	1.67	73	56.54	6/17/2003	16:51	0.3	20.8	8.8	204
2003	1	98	4	2	101	42	1.426	73	56.456	6/17/2003	17:00	0.3	20.8	8.8	204
2003	1	99	6	2	99	42	2.02	73	55.73	6/17/2003	16:44	0.3	21.3	8.7	203
2003	1	105	4	2	97	42	7.68	73	55.13	6/17/2003	16:07	0.3	22.1	8.7	197
2003	1	105	4	2	98	42	7.33	73	55.3	6/17/2003	16:20	0.3	21.2	8.7	203
2003	1	106	4	2	96	42	8.147	73	54.796	6/17/2003	15:59	0.3	21.3	8.8	201
2003	1	109	6	2	93	42	9.91	73	52.81	6/17/2003	15:47	0.3	21.8	8.7	200
2003	1	114	4	2	81	42	14.39	73	50.549	6/17/2003	15:03	0.3	20.5	9	207
2003	1	114	4	2	82	42	14.31	73	50.58	6/17/2003	15:10	0.3	21.1	8.8	204
2003	1	114	6	2	85	42	13.54	73	50.75	6/17/2003	15:22	0.3	21.6	8.7	201
2003	1	115	6	2	79	42	14.8	73	49	6/17/2003	14:47	0.3	22.2	8.6	199
2003	1	116	6	2	77	42	15.02	73	48.31	6/17/2003	14:31	0.3	21.2	8.8	207
2003	1	118	4	2	75	42	16.12	73	47.49	6/17/2003	14:12	0.3	23.1	8.6	201
2003	1	119	6	4	69	42	17.29	73	46.78	6/17/2003	13:45	0.3	23	8.6	197

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2003	1	119	6	4	72	42	16.82	73	47.28	6/17/2003	14:00	0.3	22.8	8.5	200
2003	1	121	4	4	65	42	19.307	73	47.217	6/17/2003	12:53	0.3	21.2	8	207
2003	1	121	4	4	68	42	18.53	73	47.1	6/17/2003	13:30	0.3	22.4	8.6	199
2003	1	121	6	4	66	42	19.33	73	46.85	6/17/2003	13:07	0.3	21.2	8	207
2003	1	121	6	4	67	42	18.82	73	46.89	6/17/2003	13:19	0.3	20.9	8.9	206
2003	1	122	4	4	63	42	19.84	73	47.18	6/17/2003	12:30	0.3	19.9	9	213
2003	1	122	6	4	62	42	20.105	73	46.848	6/17/2003	12:20	0.3	21	8.9	208
2003	1	122	6	4	64	42	19.9	73	46.8	6/17/2003	12:39	0.3	21	8.8	205
2003	1	124	4	4	55	42	21.64	73	47.62	6/17/2003	11:36	0.3	20.2	9	208
2003	1	124	6	4	56	42	21.49	73	47.29	6/17/2003	11:50	0.3	20.4	9	209
2003	1	124	6	4	57	42	21.28	73	47.32	6/17/2003	12:05	0.3	20.1	9.1	208
2003	1	125	4	4	53	42	22.27	73	47.62	6/17/2003	11:25	0.3	19.6	9.1	212
2003	1	126	4	4	48	42	23.65	73	47.38	6/17/2003	11:00	0.3	19.9	9.1	209
2003	1	126	4	4	49	42	23.4	73	47.52	6/17/2003	11:14	0.3	19.6	9.1	213
2003	1	128	4	4	44	42	25	73	46.99	6/17/2003	10:49	0.3	20	9.1	210
2003	1	129	6	4	39	42	25.879	73	46.76	6/17/2003	10:17	0.3	19.6	9	211
2003	1	129	6	4	42	42	25.226	73	46.523	6/17/2003	10:29	0.3	20	9.1	209
2003	1	130	4	4	37	42	26.76	73	47.22	6/17/2003	10:06	0.3	20.1	9.1	208
2003	1	131	6	4	34					6/17/2003	9:38	0.3	19.4	9.2	212
2003	1	132	6	4	31	42	28.65	73	47.09	6/17/2003	9:15	0.3	19.4	9.2	210
2003	1	134	4	4	28	42	30.027	73	46.913	6/17/2003	9:04	0.3	19.2	9.3	214
2003	1	138	4	4	21	42	33.51	73	45.33	6/17/2003	8:34	0.3	19	9.3	215
2003	1	139	4	4	16	42	34.31	73	45.21	6/17/2003	8:20	0.3	18	9.5	219
2003	2	18	6	2	261	40	56.27	73	54.17	7/2/2003	10:30	0.3	23	6.1	13318
2003	2	22	6	2	256	40	59.97	73	53.05	7/2/2003	11:05	0.3	23.9	7.1	9608
2003	2	23	6	2	254	41	1.086	73	52.681	7/2/2003	11:28	0.3	23.5	6.7	9585
2003	2	24	6	2	252	41	2.057	73	52.505	7/2/2003	11:54	0.3	23.6	6.8	9258
2003	2	25	4	2	250	41	2.86	73	55.07	7/2/2003	9:52	0.3	24.4	8.3	8279
2003	2	25	6	2	251	41	2.46	73	52.42	7/2/2003	12:08	0.3	23.7	6.8	9280
2003	2	26	4	2	246	41	3.6	73	55.2	7/2/2003	9:32	0.3	24.5	7.9	7900
2003	2	26	4	2	271	41	3.77	73	55.22	7/2/2003	9:15	0.3	23.9	8	7937
2003	2	26	6	2	248	41	3.273	73	52.221	7/2/2003	12:44	0.3	24.5	7.9	9571
2003	2	26	6	2	249	41	2.67	73	52.3	7/2/2003	12:27	0.3	24.7	7.9	9181
2003	2	29	4	1	242	41	6.1	73	54.88	7/2/2003	8:40	0.3	23.4	8.3	7834
2003	2	30	4	1	241	41	7.14	73	54.77	7/2/2003	8:20	0.3	22.9	8.5	7333
2003	2	31	4	4	283	41	8.34	73	54.4	7/2/2003	8:05	0.3	22.9	8	6990
2003	2	32	4	4	240	41	8.48	73	54.42	7/2/2003	7:45	0.3	22.9	8.1	6522
2003	2	34	6	4	234	41	10.19	73	53.93	7/2/2003	7:28	0.3	23	8.6	5792
2003	2	35	4	4	277	41	10.95	73	57.06	7/1/2003	17:55	0.3	24.8	10	4717
2003	2	36	4	4	226	41	11.8	73	57.5	7/1/2003	17:30	0.3	25.5	8.8	4567
2003	2	36	4	4	282	41	11.2	73	57.17	7/1/2003	17:45	0.3	24.8	9.5	4535
2003	2	38	4	4	222	41	12.979	73	57.867	7/1/2003	17:11	0.3	24.9	9.1	4292
2003	2	38	4	4	278	41	12.96	73	57.828	7/1/2003	17:01	0.3	24.2	9	4263

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2003	2	38	4	4	280	41	13.4	73	57.81	7/1/2003	16:55	0.3	25.6	9.2	4133
2003	2	40	4	4	209	41	14.97	73	58	7/1/2003	16:38	0.3	24.7	8	3084
2003	2	42	4	4	206	41	16.412	73	58.1	7/1/2003	16:28	0.3	24.3	8.8	2728
2003	2	43	6	4	203	41	16.91	73	56.26	7/1/2003	16:15	0.3	24.5	8.8	2686
2003	2	49	4	2	196	41	21.16	73	57.74	7/1/2003	15:49	0.3	24	9	498
2003	2	53	4	2	192	41	24.19	73	57.95	7/1/2003	15:36	0.3	23.5	9	420
2003	2	55	6	2	189	41	25.66	73	58.14	7/1/2003	15:26	0.3	23.2		319
2003	2	57	4	2	185	41	27.68	74	0.73	7/1/2003	15:00	0.3	26	9.4	332
2003	2	57	4	2	186	41	27.28	74	0.8	7/1/2003	15:11	0.3	26.3	9.4	330
2003	2	58	4	2	183	41	28.02	74	0.87	7/1/2003	14:52	0.3	26.1	9.4	335
2003	2	63	4	2	166					7/1/2003	14:16	0.3	24.7	8.6	275
2003	2	64	4	2	163	41	33.48	73	59.05	7/1/2003	14:02	0.3	24.7	9.3	262
2003	2	65	4	2	162	41	33.99	73	58.39	7/1/2003	13:50	0.3	23	9.3	216
2003	2	69	6	2	156	41	37.03	73	56.88	7/1/2003	13:24	0.3	22.9	9.8	215
2003	2	69	6	2	157	41	36.97	73	56.85	7/1/2003	13:38	0.3	22.9	9.3	227
2003	2	71	4	2	153	41	39.06	73	57.257	7/1/2003	13:09	0.3	22.4	8.2	225
2003	2	73	6	2	150	41	40.28	73	56.49	7/1/2003	12:52	0.3	22.3	8.1	219
2003	2	74	6	2	148	41	41.15	73	56.31	7/1/2003	12:25	0.3	24.3	10.1	225
2003	2	77	6	2	140	41	44.56	73	56.17	7/1/2003	11:50	0.3	23.9	8.8	213
2003	2	80	6	2	137	41	46.14	73	56.82	7/1/2003	11:21	0.3	23.4	8.7	214
2003	2	81	4	4	135	41	47.474	73	57.457	7/1/2003	10:49	0.3	22.4	9.1	222
2003	2	82	4	4	134	41	48.51	73	57.22	7/1/2003	10:34	0.3	22.5	9.3	220
2003	2	83	4	4	131	41	49.33	73	57.31	7/1/2003	10:15	0.3	23.3	8.6	217
2003	2	84	4	4	129	41	50.61	73	57.28	7/1/2003	10:02	0.3	23.6	9.1	215
2003	2	85	4	4	128					7/1/2003	9:44	0.3	23.4	8.3	217
2003	2	85	6	4	127	41	51.18	73	56.5	7/1/2003	9:31	0.3	22.6	8.3	219
2003	2	86	6	4	125	41	51.75	73	55.89	7/1/2003	9:16	0.3	22.3	7.9	220
2003	2	88	6	4	122	41	53.023	73	56.214	7/1/2003	9:05	0.3	22.2	8	218
2003	2	89	6	4	121	41	53.84	73	57.04	7/1/2003	8:41	0.3	22.3	8.8	221
2003	2	90	6	4	120	41	54.02	73	57.2	7/1/2003	8:34	0.3	22.6	9.1	224
2003	2	91	6	4	119	41	55.847	73	56.774	7/1/2003	8:23	0.3	22.3	9	219
2003	2	92	4	4	118	41	56.32	73	58.1	7/1/2003	7:25	0.3	22.2	8.8	245
2003	2	93	4	4	116	41	57.05	73	57.77	7/1/2003	7:43	0.3	22.4	8.8	218
2003	2	93	6	4	117	41	57.036	73	56.721	7/1/2003	8:08	0.3	21.9	8.8	222
2003	2	94	4	2	113	41	58.38	73	57.25	6/30/2003	18:18	0.3	24.3	9.1	215
2003	2	94	4	4	115	41	57.78	73	57.47	6/30/2003	18:34	0.3	24.3	9.1	214
2003	2	94	6	4	114	41	58.085	73	56.467	6/30/2003	18:52	0.3	23.6	8.9	249
2003	2	95	4	2	111	41	59.083	73	57.079	6/30/2003	18:10	0.3	24.2	9	215
2003	2	96	4	2	105	42	0.22	73	56.65	6/30/2003	17:43	0.3	23.8	9.1	212
2003	2	96	4	2	108	41	59.76	73	56.81	6/30/2003	17:52	0.3	23.9	9.1	208
2003	2	96	4	2	110	41	59.4	73	56.94	6/30/2003	18:02	0.3	24.4	9.5	206
2003	2	97	4	2	102	42	0.83	73	56.38	6/30/2003	17:23	0.3	24.3	9.1	210
2003	2	97	4	2	103	42	0.5	73	56.51	6/30/2003	17:31	0.3	24	9	213

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	2	98	4	2	100	42	1.67	73	56.54	6/30/2003	17:02	0.3	24.8	9.1	222
2003	2	98	4	2	101	42	1.426	73	56.456	6/30/2003	17:12	0.3	24.6	9	216
2003	2	99	6	2	99	42	2.02	73	55.73	6/30/2003	16:50	0.3	24.6	8.9	220
2003	2	105	4	2	97	42	7.68	73	55.13	6/30/2003	16:15	0.3	25.2	9	236
2003	2	105	4	2	98	42	7.33	73	55.3	6/30/2003	16:31	0.3	24.8	9.1	215
2003	2	106	4	2	96	42	8.147	73	54.796	6/30/2003	16:00	0.3	24.5	8	232
2003	2	114	4	2	82	42	14.31	73	50.58	6/30/2003	15:15	0.3	25.1	8.4	277
2003	2	114	4	2	83	42	14.26	73	50.71	6/30/2003	15:35	0.3	24.7	8.8	272
2003	2	115	6	2	80	42	14.8	73	49.1	6/30/2003	14:56	0.3	25	8.9	262
2003	2	116	4	2	78					6/30/2003	14:44	0.3	25.6	8.4	276
2003	2	116	6	2	77	42	15.02	73	48.31	6/30/2003	14:33	0.3	25.3	8.8	275
2003	2	117	4	2	76	42	15.84	73	47.69	6/30/2003	14:15	0.3	25.6	8.6	271
2003	2	118	4	2	75	42	16.12	73	47.49	6/30/2003	14:04	0.3	25.6	8.4	275
2003	2	119	4	2	70	42	17.317	73	47.373	6/30/2003	13:40	0.3	25.9	8.5	265
2003	2	119	6	2	71	42	17.16	73	46.8	6/30/2003	13:53	0.3	25.3	8.4	268
2003	2	121	4	4	65	42	19.307	73	47.217	6/30/2003	13:08	0.3	25.9	8.6	275
2003	2	121	4	2	68	42	18.53	73	47.1	6/30/2003	13:28	0.3	25.8	9	274
2003	2	121	6	2	67	42	18.82	73	46.89	6/30/2003	13:18	0.3	26	8.9	268
2003	2	122	4	4	61	42	20.29	73	47.24	6/30/2003	12:13	0.3	25.4	8.4	243
2003	2	122	4	4	63	42	19.84	73	47.18	6/30/2003	12:40	0.3	25.4	8.5	266
2003	2	122	6	4	62	42	20.105	73	46.848	6/30/2003	12:25	0.3	25.1	8.4	269
2003	2	122	6	4	64	42	19.9	73	46.8	6/30/2003	12:55	0.3	26.3	8.4	264
2003	2	123	4	4	59					6/30/2003	11:58	0.3	25	8.1	275
2003	2	124	6	4	56	42	21.49	73	47.29	6/30/2003	11:31	0.3	25	8.6	269
2003	2	124	6	4	57	42	21.28	73	47.32	6/30/2003	11:44	0.3	24.9	8.5	271
2003	2	127	4	4	46	42	24.35	73	47.08	6/30/2003	11:16	0.3	24.9	7.4	268
2003	2	128	6	4	45					6/30/2003	10:58	0.3	24.7	7.8	276
2003	2	129	6	4	38	42	26.05	73	46.82	6/30/2003	10:32	0.3	24.6	7.6	250
2003	2	129	6	4	40	42	25.67	73	46.67	6/30/2003	10:44	0.3	24.6	7.5	269
2003	2	131	4	4	33	42	28.06	73	47.13	6/30/2003	10:15	0.3	24.7	7.6	263
2003	2	133	4	4	29	42	29.09	73	47.273	6/30/2003	9:56	0.3	24.6	7.6	241
2003	2	134	4	4	27	42	30.17	73	46.88	6/30/2003	9:45	0.3	24.3	7.6	243
2003	2	135	4	4	25	42	31.16	73	46.06	6/30/2003	9:33	0.3	24.2	7.6	243
2003	2	137	6	4	24	42	32.262	73	45.288	6/30/2003	9:20	0.3	24.7	7.5	244
2003	2	138	4	4	22	42	33.36	73	45.42	6/30/2003	9:00	0.3	24.1	7.4	243
2003	2	139	4	4	19	42	34.03	73	45.26	6/30/2003	8:50	0.3	24.2	7.5	241
2003	2	140	6	4	11					6/30/2003	8:40	0.3	24.6	7.1	242
2003	3	18	4	2	260	40	56.889	73	55.1	7/15/2003	12:30	0.3	24.9	5.5	15022
2003	3	23	6	2	254	41	1.086	73	52.681	7/15/2003	11:53	0.3	25.2	6.2	11895
2003	3	23	6	2	255	41	0.74	73	52.83	7/15/2003	12:04	0.3	25.2	5.9	8274
2003	3	24	6	2	252	41	2.057	73	52.505	7/15/2003	11:38	0.3	24.8	5.2	11608
2003	3	25	6	2	251	41	2.46	73	52.42	7/15/2003	11:22	0.3	25.1	5.8	11173
2003	3	26	4	2	271	41	3.77	73	55.22	7/15/2003	12:59	0.3	27.8	6.8	10773

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	3	26	6	2	249	41	2.67	73	52.3	7/15/2003	11:06	0.3	25.8	6.5	10152
2003	3	28	6	2	243	41	5.683	73	52.214	7/15/2003	10:03	0.3	25.7	6	9574
2003	3	28	6	2	244	41	5.33	73	52.33	7/15/2003	10:20	0.3	25.4	6.3	9376
2003	3	30	4	2	241	41	7.14	73	54.77	7/15/2003	13:20	0.3	26.1	7.5	9496
2003	3	32	4	2	240	41	8.48	73	54.42	7/15/2003	13:39	0.3	26.4	6.9	9225
2003	3	32	6	2	238	41	8.85	73	52.123	7/15/2003	9:48	0.3	24.1	7.1	7306
2003	3	32	6	2	269	41	9.445	73	52.243	7/15/2003	9:26	0.3	24.6	7.1	7322
2003	3	33	6	2	236	41	9.79	73	52.202	7/15/2003	9:07	0.3	25	7.4	7849
2003	3	34	6	2	233	41	10.662	73	53.922	7/15/2003	8:47	0.3	24.7	7.8	6946
2003	3	35	4	2	230	41	10.59	73	56.39	7/15/2003	13:57	0.3	27	6.6	5661
2003	3	35	4	2	277	41	10.95	73	57.06	7/15/2003	14:10	0.3	26.9	6.5	5653
2003	3	35	6	2	232	41	11.172	73	53.996	7/15/2003	8:28	0.3	25.4	7.3	6916
2003	3	35	6	2	275	41	11.31	73	53.54	7/15/2003	8:12	0.3	24	7.4	6955
2003	3	36	4	2	282	41	11.2	73	57.17	7/15/2003	14:22	0.3	27	6.1	5642
2003	3	36	6	2	228	41	12.25	73	53.5	7/15/2003	7:41	0.3	24.9	6.1	6558
2003	3	43	6	4	204	41	16.693	73	56.484	7/15/2003	14:51	0.3	26.2	6.1	2339
2003	3	46	4	4	198	41	19.7	73	59	7/15/2003	15:26	0.3	26.1	6	2209
2003	3	46	6	4	199	41	19.42	73	58.77	7/15/2003	15:14	0.3	25.8	6.8	1851
2003	3	49	4	4	196	41	21.16	73	57.74	7/15/2003	15:47	0.3	25	5.7	1275
2003	3	52	6	4	193	41	24.12	73	57.31	7/15/2003	16:11	0.3	26.4	5.7	667
2003	3	55	6	4	189	41	25.66	73	58.14	7/15/2003	16:31	0.3	25.6	6.3	354
2003	3	56	4	2	188	41	26.47	73	59.66	7/15/2003	17:39	0.3	25.6	6.5	226
2003	3	58	4	4	184	41	27.78	74	0.7	7/15/2003	16:54	0.3	26.7	8	281
2003	3	58	6	4	182	41	28.2	73	59.12	7/15/2003	17:11	0.3	26.6	7.9	320
2003	3	63	6	2	169	41	32.07	73	58.83	7/17/2003	17:26	0.3	26.7	7	244
2003	3	64	6	2	165	41	32.66	73	58.52	7/17/2003	17:11	0.3	27.3	7	250
2003	3	69	4	2	155	41	37.44	73	57.43	7/17/2003	16:30	0.3	26.4	6.6	218
2003	3	69	6	2	157	41	36.97	73	56.85	7/17/2003	16:42	0.3	26.4	6.3	289
2003	3	71	4	2	153	41	39.06	73	57.257	7/17/2003	16:12	0.3	25.5	6.1	221
2003	3	72	6	2	152	41	39.77	73	56.55	7/17/2003	15:51	0.3	25.9	5.9	232
2003	3	74	6	2	149	41	41.064	73	56.289	7/17/2003	15:34	0.3	25.9	5.9	224
2003	3	76	4	2	146	41	42.94	73	56.87	7/17/2003	15:19	0.3	26.6	6.2	244
2003	3	77	6	2	141	41	44.46	73	56.21	7/17/2003	15:02	0.3	25.9	5.9	226
2003	3	80	6	2	137	41	46.14	73	56.82	7/17/2003	14:45	0.3	26.1	6.3	227
2003	3	81	4	2	135	41	47.474	73	57.457	7/17/2003	14:27	0.3	28	7.4	229
2003	3	82	4	2	134	41	48.51	73	57.22	7/17/2003	14:05	0.3	25.9	5.7	234
2003	3	83	4	2	131	41	49.33	73	57.31	7/17/2003	13:32	0.3	26.6	6.4	235
2003	3	83	4	2	133	41	48.74	73	57.19	7/17/2003	13:51	0.3	26	6	235
2003	3	84	4	2	129	41	50.61	73	57.28	7/17/2003	13:16	0.3	26.2	6.5	238
2003	3	85	6	2	127	41	51.18	73	56.5	7/17/2003	13:04	0.3	25.8	5.9	241
2003	3	86	4	2	126	41	51.44	73	56.97	7/17/2003	12:50	0.3	27.9	7.4	234
2003	3	86	6	2	125	41	51.75	73	55.89	7/17/2003	12:32	0.3	27.7	6.6	239
2003	3	88	6	2	122	41	53.023	73	56.214	7/17/2003	12:13	0.3	26.6	7.6	239

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	3	89	6	2	121	41	53.84	73	57.04	7/17/2003	12:09	0.3	26.1	6.1	247
2003	3	90	6	4	120	41	54.02	73	57.2	7/17/2003	11:44	0.3	26	5.6	242
2003	3	92	4	2	118	41	56.32	73	58.1	7/17/2003	6:50	0.3	24.5	5.8	282
2003	3	93	4	2	116	41	57.05	73	57.77	7/17/2003	7:05	0.3	24.9	5.6	257
2003	3	93	6	4	117	41	57.036	73	56.721	7/17/2003	10:46	0.3	26.4	7.5	242
2003	3	94	4	4	113	41	58.38	73	57.25	7/17/2003	7:40	0.3	25.3	6.2	255
2003	3	94	4	4	115	41	57.78	73	57.47	7/17/2003	7:25	0.3	24.8	5.4	256
2003	3	94	6	4	114	41	58.085	73	56.467	7/17/2003	10:24	0.3	25.9	6.6	245
2003	3	95	4	4	111	41	59.083	73	57.079	7/17/2003	7:59	0.3	25.3	6.4	254
2003	3	95	6	4	112	41	58.238	73	56.123	7/17/2003	9:58	0.3	25.9	6.1	247
2003	3	96	4	4	105	42	0.22	73	56.65	7/17/2003	8:30	0.3	28	6.3	262
2003	3	96	4	4	108	41	59.76	73	56.81	7/17/2003	8:18	0.3	25	6.3	258
2003	3	97	4	4	102	42	0.83	73	56.38	7/17/2003	8:59	0.3	25.5	6.4	258
2003	3	97	4	4	103	42	0.5	73	56.51	7/17/2003	8:42	0.3	25.7	5.9	255
2003	3	98	4	4	100	42	1.67	73	56.54	7/17/2003	9:36	0.3	25.3	8.1	260
2003	3	98	4	4	101	42	1.426	73	56.456	7/17/2003	9:20	0.3	25.7	6.4	257
2003	3	99	6	4	99	42	2.02	73	55.73	7/16/2003	18:49	0.3	25.5	6.2	251
2003	3	105	4	2	97	42	7.68	73	55.13	7/16/2003	18:18	0.3	25.9	6.6	254
2003	3	105	4	2	98	42	7.33	73	55.3	7/16/2003	18:29	0.3	25.8	6.8	254
2003	3	106	4	2	96	42	8.147	73	54.796	7/16/2003	17:58	0.3	25.4	6.2	256
2003	3	112	4	2	88	42	12.69	73	51.26	7/16/2003	17:45	0.3	26.2	7.3	244
2003	3	113	4	2	86	42	13.12	73	51.33	7/16/2003	17:32	0.3	26.6	8.5	244
2003	3	114	4	2	81	42	14.39	73	50.549	7/16/2003	16:57	0.3	26	5.5	244
2003	3	114	4	2	82	42	14.31	73	50.58	7/16/2003	17:10	0.3	26.4	7.9	250
2003	3	114	6	2	85	42	13.54	73	50.75	7/16/2003	17:20	0.3	25.9	7.3	239
2003	3	115	6	2	79	42	14.8	73	49	7/16/2003	16:48	0.3	26.6	7.5	246
2003	3	116	6	2	77	42	15.02	73	48.31	7/17/2003	16:19	0.3	26.9	8.5	255
2003	3	117	4	2	76	42	15.84	73	47.69	7/16/2003	16:05	0.3	28.6	7.5	247
2003	3	118	4	2	75	42	16.12	73	47.49	7/16/2003	15:50	0.3	28.3	8	247
2003	3	119	6	2	71	42	17.16	73	46.8	7/16/2003	15:40	0.3	27.6	7.7	245
2003	3	121	4	2	65	42	19.307	73	47.217	7/16/2003	14:52	0.3	27	7	253
2003	3	121	4	2	68	42	18.53	73	47.1	7/16/2003	15:28	0.3	26.6	6.7	258
2003	3	121	6	2	66	42	19.33	73	46.85	7/16/2003	15:05	0.3	26.3	6.9	256
2003	3	121	6	2	67	42	18.82	73	46.89	7/16/2003	15:14	0.3	26.3	7.3	257
2003	3	122	6	2	62	42	20.105	73	46.848	7/16/2003	14:27	0.3	26.6	7.6	245
2003	3	122	6	2	64	42	19.9	73	46.8	7/16/2003	14:39	0.3	27.1	8.7	249
2003	3	124	4	2	55	42	21.64	73	47.62	7/16/2003	13:47	0.3	26.5	7.9	256
2003	3	124	6	2	56	42	21.49	73	47.29	7/16/2003	13:59	0.3	26.6	7.8	255
2003	3	124	6	2	57	42	21.28	73	47.32	7/16/2003	14:10	0.3	26.1	6.1	257
2003	3	125	6	4	52	42	22.39	73	47.45	7/16/2003	13:30	0.3	26.9	8.3	262
2003	3	129	6	4	38	42	26.05	73	46.82	7/16/2003	12:45	0.3	26.3	8.5	254
2003	3	129	6	4	40	42	25.67	73	46.67	7/16/2003	13:09	0.3	26	6.2	260
2003	3	130	4	4	37	42	26.76	73	47.22	7/16/2003	12:45	0.3	26.1	8.2	266

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2003	3	131	4	4	33	42	28.06	73	47.13	7/16/2003	12:08	0.3	26.3	7.9	254
2003	3	132	4	4	32	42	28.13	73	47.21	7/16/2003	11:44	0.3	25.9	6.7	256
2003	3	138	4	4	20	42	33.5	73	45.35	7/16/2003	11:05	0.3	25.2	6.5	245
2003	3	145	6	4	4	42	39.51	73	44.09	7/16/2003	10:00	0.3	24.8	7.4	235
2003	3	145	6	4	5	42	39.19	73	44.41	7/16/2003	10:15	0.3	24.5	7.8	245
2003	3	148	6	4	3	42	41.41	73	42.584	7/16/2003	9:37	0.3	23.9	7.5	241
2003	3	149	6	2	2	42	42	73	42.07	7/16/2003	9:13	0.3	24.3	8.1	242
2003	3	151	4	2	1	42	44.51	73	41.196	7/16/2003	8:50	0.3	25	8.4	234
2003	4	20	6	4	258	40	57.73	73	53.661	7/28/2003	12:52	0.3	27.2	8.5	13505
2003	4	21	6	4	257	40	59.13	73	53.13	7/28/2003	12:42	0.3	27.2	8.1	12638
2003	4	22	6	4	256	40	59.97	73	53.05	7/28/2003	12:13	0.3	27	8.1	12326
2003	4	23	6	4	254	41	1.086	73	52.681	7/28/2003	11:35	0.3	26.5	8.9	10916
2003	4	23	6	4	255	41	0.74	73	52.83	7/28/2003	11:48	0.3	26.3	8.1	11640
2003	4	24	6	4	252	41	2.057	73	52.505	7/28/2003	13:28	0.3	26.9	8.6	10157
2003	4	25	4	4	250	41	2.86	73	55.07	7/28/2003	10:49	0.3	26.1	8	8473
2003	4	25	4	4	270	41	2.783	73	55.05	7/28/2003	10:59	0.3	26	7.8	8588
2003	4	25	4	2	284	41	2.57	73	54.94	7/28/2003	11:10	0.3	25.8	7.3	8917
2003	4	25	6	4	251	41	2.46	73	52.42	7/28/2003	13:35	0.3	26.9	8.3	10042
2003	4	26	4	4	246	41	3.6	73	55.2	7/28/2003	10:29	0.3	26.5	7.8	7728
2003	4	26	4	4	271	41	3.77	73	55.22	7/28/2003	10:20	0.3	26.5	7.6	7535
2003	4	26	4	4	285	41	3.607	73	55.196	7/28/2003	10:39	0.3	26	7.8	8110
2003	4	26	6	4	247	41	3.891	73	52.077	7/28/2003	14:25	0.3	27.2	9	9562
2003	4	26	6	4	248	41	3.273	73	52.221	7/28/2003	14:08	0.3	27.4	8.4	9703
2003	4	26	6	4	249	41	2.67	73	52.3	7/28/2003	13:54	0.3	27.2	9.1	10171
2003	4	27	4	4	245	41	4.19	73	55.21	7/28/2003	10:11	0.3	26.5	7.7	7438
2003	4	27	4	4	272	41	4.49	73	55.14	7/28/2003	9:58	0.3	26.9	7.8	6707
2003	4	28	6	4	243	41	5.683	73	52.214	7/28/2003	14:46	0.3	28.6	9.6	7915
2003	4	28	6	4	244	41	5.33	73	52.33	7/28/2003	14:37	0.3	27.2	8.8	9333
2003	4	29	4	4	242	41	6.1	73	54.88	7/28/2003	9:35	0.3	26.6	8	6700
2003	4	30	4	4	241	41	7.14	73	54.77	7/28/2003	9:16	0.3	26.9	7.4	6612
2003	4	31	4	4	283	41	8.34	73	54.4	7/28/2003	9:05	0.3	26.9	7.5	6228
2003	4	32	4	4	239	41	8.81	73	54.6	7/28/2003	8:37	0.3	26.7	7.2	5869
2003	4	32	4	4	240	41	8.48	73	54.42	7/28/2003	8:51	0.3	26.7	7.1	5878
2003	4	32	6	4	237	41	9.274	73	52.181	7/28/2003	15:10	0.3	26.5	8.6	6782
2003	4	32	6	4	238	41	8.85	73	52.123	7/28/2003	14:56	0.3	28	9.1	8002
2003	4	32	6	4	269	41	9.445	73	52.243	7/28/2003	15:23	0.3	28.5	9.9	6159
2003	4	33	6	4	236	41	9.79	73	52.202	7/28/2003	15:37	0.3	28.4	9.7	5856
2003	4	35	4	4	229	41	10.59	73	56.41	7/31/2003	8:58	0.3	26.5	6.1	6830
2003	4	35	4	4	230	41	10.59	73	56.39	7/31/2003	9:04	0.3	26.6	6.1	6787
2003	4	35	4	4	277	41	10.95	73	57.06	7/31/2003	8:44	0.3	25.5	5.8	6764
2003	4	35	6	4	231	41	11.23	73	53.69	7/31/2003	9:54	0.3	25.9	6.9	6777
2003	4	35	6	4	232	41	11.172	73	53.996	7/31/2003	9:21	0.3	26.1	6.6	6594
2003	4	35	6	4	274	41	11.17	73	53.71	7/31/2003	9:35	0.3	26.3	6.8	6644

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	4	35	6	4	275	41	11.31	73	53.54	7/31/2003	10:01	0.3	25.9	6.8	6767
2003	4	36	4	4	227	41	11.02	73	57.41	7/31/2003	8:37	0.3	25.5	5.7	6764
2003	4	36	4	4	281	41	11.13	73	57.16	7/31/2003	8:23	0.3	25.3	6.4	6237
2003	4	36	4	4	282	41	11.2	73	57.17	7/31/2003	8:12	0.3	25.6	5.8	7104
2003	4	36	6	4	228	41	12.25	73	53.5	7/31/2003	10:24	0.3	26.3	6.5	6353
2003	4	36	6	4	276	41	12.17	73	53.51	7/31/2003	10:12	0.3	26.3	6.4	6412
2003	4	38	4	4	221	41	13.43	73	57.79	7/31/2003	7:49	0.3	26.3	5.8	5674
2003	4	38	4	4	280	41	13.4	73	57.81	7/31/2003	7:56	0.3	26.3	5.7	5694
2003	4	39	4	4	216	41	13.48	73	57.84	7/31/2003	7:30	0.3	26.1	6	5220
2003	4	39	6	2	218	41	14.02	73	56.4	7/31/2003	10:52	0.3	27.1	7.8	6671
2003	4	40	4	4	214	41	14.31	73	58.5	7/31/2003	7:13	0.3	27.8	6.9	1994
2003	4	40	6	2	211	41	14.88	73	57.6	7/31/2003	11:30	0.3	27.7	6.1	4949
2003	4	41	6	2	208	41	15.72	73	50.84	7/31/2003	11:44	0.3	27.9	5.4	4550
2003	4	52	6	4	193	41	24.12	73	57.31	7/30/2003	18:42	0.3	25.9	5.6	849
2003	4	52	6	4	194	41	24.12	73	56.81	7/30/2003	18:52	0.3	25.9	5.6	892
2003	4	53	4	4	192	41	24.19	73	57.95	7/30/2003	18:21	0.3	25.8	5.6	672
2003	4	55	6	4	189	41	25.66	73	58.14	7/30/2003	17:57	0.3	26.1	6.6	311
2003	4	56	4	4	187	41	26.83	74	0.5	7/30/2003	17:22	0.3	27.5	7	275
2003	4	56	4	4	188	41	26.47	73	59.66	7/30/2003	17:35	0.3	26.4	6.4	370
2003	4	58	4	2	184	41	27.78	74	0.7	7/30/2003	17:07	0.3	27.6	7.8	313
2003	4	58	6	2	182	41	28.2	73	59.12	7/30/2003	16:46	0.3	27.7	8.2	333
2003	4	59	6	2	179	41	29.24	73	59.34	7/30/2003	16:26	0.3	27.7	7.6	349
2003	4	61	4	2	174	41	31.15	74	0.37	7/30/2003	15:48	0.3	27.4	6.6	248
2003	4	63	6	2	167	41	32.41	73	58.61	7/30/2003	15:28	0.3	28.2	7.6	243
2003	4	69	4	2	155	41	37.44	73	57.43	7/30/2003	14:42	0.3	26.9	6.6	252
2003	4	69	6	2	157	41	36.97	73	56.85	7/30/2003	15:07	0.3	27.9	6.6	279
2003	4	72	6	2	152	41	39.77	73	56.55	7/30/2003	14:00	0.3	27.3	6.6	256
2003	4	74	6	2	149	41	41.064	73	56.289	7/30/2003	13:34	0.3	27.3	6.8	260
2003	4	77	6	2	140	41	44.56	73	56.17	7/30/2003	13:12	0.3	26.2	6.3	256
2003	4	78	4	2	139	41	44.786	73	56.758	7/30/2003	13:01	0.3	27.3	7.3	266
2003	4	83	4	2	131	41	49.33	73	57.31	7/30/2003	11:45	0.3	26.6	6.8	272
2003	4	83	4	2	133	41	48.74	73	57.19	7/30/2003	12:04	0.3	26.5	6.8	240
2003	4	84	4	2	129	41	50.61	73	57.28	7/30/2003	11:29	0.3	26	6.5	272
2003	4	86	6	2	125	41	51.75	73	55.89	7/30/2003	11:12	0.3	26.5	6.8	274
2003	4	90	6	4	120	41	54.02	73	57.2	7/30/2003	10:55	0.3	26.5	7.7	268
2003	4	92	4	4	118	41	56.32	73	58.1	7/30/2003	6:35	0.3	25.3	6.1	282
2003	4	93	4	4	116	41	57.05	73	57.77	7/30/2003	7:03	0.3	24	6	280
2003	4	93	6	4	117	41	57.036	73	56.721	7/30/2003	10:17	0.3	26.5	7.7	268
2003	4	94	4	4	113	41	58.38	73	57.25	7/30/2003	7:20	0.3	25.7	6	273
2003	4	95	4	4	111	41	59.083	73	57.079	7/30/2003	7:46	0.3	25.6	6	267
2003	4	95	6	4	112	41	58.238	73	56.123	7/30/2003	9:41	0.3	25.7	7.3	270
2003	4	96	4	4	105	42	0.22	73	56.65	7/30/2003	8:11	0.3	25.4	6.1	270
2003	4	97	4	4	102	42	0.83	73	56.38	7/30/2003	8:40	0.3	25.4	6.3	273

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2003	4	97	4	4	103	42	0.5	73	56.51	7/30/2003	8:22	0.3	25.4	5.6	269
2003	4	98	4	4	100	42	1.67	73	56.54	7/30/2003	9:19	0.3	25.8	6.8	270
2003	4	98	4	4	101	42	1.426	73	56.456	7/30/2003	9:00	0.3	25.7	6.9	271
2003	4	105	4	4	98	42	7.33	73	55.3	7/29/2003	18:56	0.3	25.9	6.1	284
2003	4	112	4	4	88	42	12.69	73	51.26	7/29/2003	18:31	0.3	26.6	9.4	297
2003	4	113	6	4	87	42	13.32	73	50.85	7/29/2003	18:19	0.3	27	7.9	295
2003	4	114	4	2	81	42	14.39	73	50.549	7/29/2003	17:42	0.3	26	7.7	299
2003	4	114	4	4	82	42	14.31	73	50.58	7/29/2003	17:58	0.3	25.9	7.8	298
2003	4	116	6	2	77	42	15.02	73	48.31	7/29/2003	17:12	0.3	26.3	8.3	301
2003	4	119	6	2	71	42	17.16	73	46.8	7/29/2003	16:51	0.3	26.8	9.1	297
2003	4	121	4	2	68	42	18.53	73	47.1	7/29/2003	16:33	0.3	26.6	7.6	284
2003	4	122	6	2	62	42	20.105	73	46.848	7/29/2003	15:26	0.3	26.9	8.7	293
2003	4	122	6	2	64	42	19.9	73	46.8	7/29/2003	16:12	0.3	26.9	8.1	282
2003	4	124	6	2	57	42	21.28	73	47.32	7/29/2003	15:09	0.3	26.4	7.2	289
2003	4	128	4	2	44	42	25	73	46.99	7/29/2003	14:38	0.3	27.5	9.5	288
2003	4	129	6	2	40	42	25.67	73	46.67	7/29/2003	14:25	0.3	26.3	8	285
2003	4	138	4	4	21	42	33.51	73	45.33	7/29/2003	10:46	0.3	27	8.8	282
2003	4	138	4	4	22	42	33.36	73	45.42	7/29/2003	11:39	0.3	25.1	6.9	283
2003	4	139	4	4	16	42	34.31	73	45.21	7/29/2003	10:13	0.3	25	6.8	289
2003	4	139	6	4	14	42	34.34	73	45.02	7/29/2003	8:27	0.3	24.3	6.7	288
2003	4	139	6	4	17	42	34.22	73	45.02	7/29/2003	9:11	0.3	25.1	6.8	287
2003	5	15	4	4	264	40	53.57	73	56.32	8/11/2003	13:01	0.3	26.9	7	14862
2003	5	18	6	2	261	40	56.27	73	54.17	8/11/2003	12:39	0.3	26.4	7.7	11171
2003	5	22	6	2	256	40	59.97	73	53.05	8/11/2003	12:14	0.3	26.2	8	9817
2003	5	23	6	2	254	41	1.086	73	52.681	8/11/2003	11:46	0.3	26.4	8	7521
2003	5	23	6	2	255	41	0.74	73	52.83	8/11/2003	12:00	0.3	26	7.1	9798
2003	5	24	6	4	252	41	2.057	73	52.505	8/11/2003	13:40	0.3	26.4	8.2	7938
2003	5	25	4	2	250	41	2.86	73	55.07	8/11/2003	10:39	0.3	26.3	8.2	6024
2003	5	25	4	2	270	41	2.783	73	55.05	8/11/2003	10:50	0.3	26.2	8.1	6104
2003	5	25	4	2	284	41	2.57	73	54.94	8/11/2003	11:01	0.3	26.4	8.1	6002
2003	5	25	6	4	251	41	2.46	73	52.42	8/11/2003	14:00	0.3	26.6	7.8	6912
2003	5	26	4	2	246	41	3.6	73	55.2	8/11/2003	10:12	0.3	26.2	8.1	5929
2003	5	26	4	2	271	41	3.77	73	55.22	8/11/2003	9:54	0.3	26.2	8.2	6075
2003	5	26	4	2	285	41	3.607	73	55.196	8/11/2003	10:29	0.3	26.3	8.1	6072
2003	5	26	6	4	247	41	3.891	73	52.077	8/11/2003	14:34	0.3	26.5	8.4	6762
2003	5	26	6	4	248	41	3.273	73	52.221	8/11/2003	14:25	0.3	26.1	8	6818
2003	5	26	6	4	249	41	2.67	73	52.3	8/11/2003	14:15	0.3	26.4	8	7047
2003	5	27	4	2	245	41	4.19	73	55.21	8/11/2003	9:43	0.3	26.4	8.2	6021
2003	5	27	4	2	272	41	4.49	73	55.14	8/11/2003	9:20	0.3	26.3	8.3	5694
2003	5	28	6	4	243	41	5.683	73	52.214	8/11/2003	15:01	0.3	26.9	9.1	5366
2003	5	28	6	4	244	41	5.33	73	52.33	8/11/2003	14:47	0.3	26.1	8.4	6214
2003	5	29	4	2	242	41	6.1	73	54.88	8/11/2003	9:03	0.3	26.3	8.2	5151
2003	5	30	4	2	241	41	7.14	73	54.77	8/11/2003	8:44	0.3	26.6	8.5	3972

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2003	5	31	4	2	283	41	8.34	73	54.4	8/11/2003	8:31	0.3	26.6	8.8	3278
2003	5	32	4	2	239	41	8.81	73	54.6	8/11/2003	8:13	0.3	26.6	8.3	2312
2003	5	32	4	2	240	41	8.48	73	54.42	8/11/2003	8:20	0.3	26.6	8.2	2323
2003	5	32	6	4	237	41	9.274	73	52.181	8/11/2003	15:29	0.3	26.9	8.9	2606
2003	5	32	6	4	238	41	8.85	73	52.123	8/11/2003	15:16	0.3	26.8	8.8	2698
2003	5	32	6	4	269	41	9.445	73	52.243	8/11/2003	15:50	0.3	28.1	8.2	2413
2003	5	33	6	4	236	41	9.79	73	52.202	8/11/2003	16:09	0.3	27.6	8.9	2418
2003	5	35	4	4	229	41	10.59	73	56.41	8/14/2003	9:38	0.3	27.6	6.4	430
2003	5	35	4	4	230	41	10.59	73	56.39	8/14/2003	9:44	0.3	28.2	5.9	409
2003	5	35	4	4	277	41	10.95	73	57.06	8/14/2003	9:25	0.3	27.7	6.7	535
2003	5	35	6	4	231	41	11.23	73	53.69	8/14/2003	10:18	0.3	28.1	6.7	1125
2003	5	35	6	4	232	41	11.172	73	53.996	8/14/2003	10:02	0.3	28.5	6.3	1083
2003	5	35	6	2	275	41	11.31	73	53.54	8/14/2003	10:30	0.3	28.4	6.5	1099
2003	5	36	4	4	227	41	11.02	73	57.41	8/14/2003	9:13	0.3	27.7	6.8	535
2003	5	36	4	4	281	41	11.13	73	57.16	8/14/2003	8:54	0.3	27.7	6.8	528
2003	5	36	6	2	228	41	12.25	73	53.5	8/14/2003	11:03	0.3	28.5	6.9	1130
2003	5	36	6	2	276	41	12.17	73	53.51	8/14/2003	10:45	0.3	28.4	6.9	1129
2003	5	38	4	4	222	41	12.979	73	57.867	8/14/2003	8:12	0.3	27.4	5.8	434
2003	5	38	4	4	278	41	12.96	73	57.828	8/14/2003	8:26	0.3	27.9	5.9	366
2003	5	38	4	4	279	41	13.36	73	57.82	8/14/2003	7:58	0.3	27.5	6	407
2003	5	38	4	4	280	41	13.4	73	57.81	8/14/2003	7:51	0.3	27.8	6	405
2003	5	39	4	4	215	41	13.62	73	58.34	8/13/2003	18:44	0.3	28.5	6.3	433
2003	5	39	4	4	216	41	13.48	73	57.84	8/13/2003	18:27	0.3	28.5	6.4	486
2003	5	40	6	4	211	41	14.88	73	57.6	8/13/2003	18:11	0.3	29.1	6.3	546
2003	5	41	6	4	208	41	15.72	73	50.84	8/13/2003	17:53	0.3	29.1	5.5	360
2003	5	46	6	4	199	41	19.42	73	58.77	8/13/2003	17:30	0.3	27	6.1	295
2003	5	49	4	4	196	41	21.16	73	57.74	8/13/2003	17:08	0.3	26.9	5	267
2003	5	52	6	4	193	41	24.12	73	57.31	8/13/2003	16:44	0.3	27	6.1	269
2003	5	53	4	4	192	41	24.19	73	57.95	8/13/2003	16:15	0.3	26.6	6.2	270
2003	5	53	6	4	191	41	24.882	73	57.554	8/13/2003	15:50	0.3	27	5.9	271
2003	5	55	6	4	189	41	25.66	73	58.14	8/13/2003	15:36	0.3	27.2	6.1	270
2003	5	57	4	2	186	41	27.28	74	0.8	8/13/2003	15:19	0.3	27.2	6.9	297
2003	5	58	4	2	184	41	27.78	74	0.7	8/13/2003	15:01	0.3	27.4	6.8	297
2003	5	59	6	2	179	41	29.24	73	59.34	8/13/2003	14:00	0.3	27.5	6.5	358
2003	5	59	6	2	180	41	29.08	73	59.37	8/13/2003	14:12	0.3	27.5	6.5	357
2003	5	59	6	2	181	41	29.04	73	59.33	8/13/2003	14:17	0.3	27.5	6.5	360
2003	5	61	4	2	174	41	31.15	74	0.37	8/13/2003	13:49	0.3	26.9	5.9	275
2003	5	64	4	2	163	41	33.48	73	59.05	8/13/2003	12:52	0.3	27.6	6.6	278
2003	5	64	4	2	164	41	33.37	73	59.18	8/13/2003	13:10	0.3	27.6	6.7	279
2003	5	64	6	2	165	41	32.66	73	58.52	8/13/2003	13:18	0.3	26.9	6.3	273
2003	5	69	4	2	155	41	37.44	73	57.43	8/13/2003	12:10	0.3	26.4	5.8	274
2003	5	74	4	2	147	41	41.29	73	56.8	8/13/2003	11:41	0.3	26.7	6.9	268
2003	5	77	6	2	140	41	44.56	73	56.17	8/13/2003	11:18	0.3	26.4	6.3	267

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2003	5	80	6	2	137	41	46.14	73	56.82	8/13/2003	11:06	0.3	26	5.8	263
2003	5	83	4	2	131	41	49.33	73	57.31	8/13/2003	10:09	0.3	25.8	5.7	220
2003	5	84	4	2	129	41	50.61	73	57.28	8/13/2003	9:34	0.3	25.9	5.9	260
2003	5	85	6	2	127	41	51.18	73	56.5	8/13/2003	9:26	0.3	25	6	261
2003	5	86	4	2	126	41	51.44	73	56.97	8/13/2003	8:59	0.3	25	5.3	261
2003	5	90	6	2	120	41	54.02	73	57.2	8/12/2003	8:35	0.3	24.7	5	263
2003	5	91	6	2	119	41	55.847	73	56.774	8/13/2003	8:13	0.3	25.5	5.3	258
2003	5	92	4	4	118	41	56.32	73	58.1	8/13/2003	6:45	0.3	25.5	6	273
2003	5	93	4	4	116	41	57.05	73	57.77	8/13/2003	7:12	0.3	24	5.5	275
2003	5	94	4	4	113	41	58.38	73	57.25	8/13/2003	7:46	0.3	25.8	5.9	262
2003	5	96	4	2	105	42	0.22	73	56.65	8/12/2003	17:33	0.3	27.2	8.1	261
2003	5	96	4	2	108	41	59.76	73	56.81	8/12/2003	17:52	0.3	27.3	7.9	260
2003	5	97	4	2	102	42	0.83	73	56.38	8/12/2003	17:20	0.3	26.5	7.5	256
2003	5	98	4	2	100	42	1.67	73	56.54	8/12/2003	16:56	0.3	26.4	7.8	259
2003	5	98	4	2	101	42	1.426	73	56.456	8/12/2003	17:14	0.3	26.4	7.5	258
2003	5	99	6	2	99	42	2.02	73	55.73	8/12/2003	16:33	0.3	27.1	7.4	265
2003	5	105	4	2	98	42	7.33	73	55.3	8/12/2003	16:08	0.3	26.2	7	270
2003	5	106	4	2	96	42	8.147	73	54.796	8/12/2003	15:51	0.3	25.8	6.5	280
2003	5	113	4	2	86	42	13.12	73	51.33	8/12/2003	15:24	0.3	26.1	7	259
2003	5	114	4	2	82	42	14.31	73	50:58	8/12/2003	14:55	0.3	25.7	9.1	220
2003	5	114	4	2	83	42	14.26	73	50.71	8/12/2003	15:11	0.3	25.9	9.1	261
2003	5	116	6	2	77	42	15.02	73	48.31	8/12/2003	14:29	0.3	25.8	8.2	259
2003	5	119	6	2	71	42	17.16	73	46.8	8/12/2003	13:51	0.3	26.8	9.5	253
2003	5	121	6	2	66	42	19.33	73	46.85	8/12/2003	13:34	0.3	26.8	8	253
2003	5	122	6	4	62	42	20.105	73	46.848	8/12/2003	13:00	0.3	26.1	7.8	255
2003	5	122	6	4	64	42	19.9	73	46.8	8/12/2003	13:20	0.3	26.2	7.8	253
2003	5	124	4	4	55	42	21.64	73	47.62	8/12/2003	12:31	0.3	26.9	8.6	256
2003	5	124	6	4	56	42	21.49	73	47.29	8/12/2003	12:50	0.3	25.9	7.7	253
2003	5	128	4	4	44	42	25	73	46.99	8/12/2003	12:04	0.3	25.6	7.5	258
2003	5	134	4	4	28	42	30.027	73	46.913	8/12/2003	11:39	0.3	25.5	8.4	249
2003	5	139	4	4	15	42	34.32	73	45.25	8/12/2003	10:34	0.3	25.3	6.9	242
2003	5	145	6	2	4	42	39.51	73	44.09	8/12/2003	9:30	0.3	24.7	7.5	219
2003	5	145	6	2	5	42	39.19	73	44.41	8/12/2003	9:54	0.3	24.8	8.7	214
2003	5	148	6	2	3	42	41.41	73	42.584	8/12/2003	9:11	0.3	24.4	8	220
2003	5	151	4	4	1	42	44.51	73	41.196	8/12/2003	8:30	0.3	24.4	9.4	220
2003	6	16	4	2	262	40	54.9	73	55.7	8/25/2003	12:02	0.3	26	10.2	11516
2003	6	19	6	2	259	40	57.735	73	53.561	8/25/2003	11:40	0.3	25.2	9.9	8928
2003	6	20	6	2	258	40	57.73	73	53.661	8/25/2003	11:24	0.3	25.1	8.4	8947
2003	6	23	6	2	254	41	1.086	73	52.681	8/25/2003	10:55	0.3	24.9	10.5	8285
2003	6	23	6	2	255	41	0.74	73	52.83	8/25/2003	11:11	0.3	25.3	8.5	8564
2003	6	24	6	4	252	41	2.057	73	52.505	8/25/2003	12:37	0.3	26.1	10.1	7792
2003	6	25	4	2	250	41	2.86	73	55.07	8/25/2003	10:15	0.3	25.2	8	6845
2003	6	25	4	2	270	41	2.783	73	55.05	8/25/2003	10:25	0.3	25	7.9	6784

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	6	25	4	2	284	41	2.57	73	54.94	8/25/2003	10:36	0.3	25.1	8	6839
2003	6	25	6	4	251	41	2.46	73	52.42	8/25/2003	12:58	0.3	25.8	10.2	7643
2003	6	26	4	2	246	41	3.6	73	55.2	8/25/2003	9:50	0.3	25.1	8	7058
2003	6	26	4	2	271	41	3.77	73	55.22	8/25/2003	9:40	0.3	25.2	8.1	6944
2003	6	26	4	2	285	41	3.607	73	55.196	8/25/2003	10:05	0.3	24.6	8.1	6930
2003	6	26	6	4	247	41	3.891	73	52.077	8/25/2003	13:33	0.3	25.4	10.6	7311
2003	6	26	6	4	248	41	3.273	73	52.221	8/25/2003	13:22	0.3	25.5	10.1	7326
2003	6	26	6	4	249	41	2.67	73	52.3	8/25/2003	13:12	0.3	25.6	10.4	7380
2003	6	27	4	2	245	41	4.19	73	55.21	8/25/2003	9:15	0.3	24.3	8.3	7175
2003	6	27	4	2	272	41	4.49	73	55.14	8/25/2003	9:04	0.3	24.3	8.3	7175
2003	6	28	6	4	243	41	5.683	73	52.214	8/25/2003	14:01	0.3	25.8	10.8	6958
2003	6	28	6	4	244	41	5.33	73	52.33	8/25/2003	13:45	0.3	25.4	10.2	7311
2003	6	29	4	2	242	41	6.1	73	54.88	8/25/2003	8:53	0.3	24.8	8.2	7101
2003	6	30	4	2	241	41	7.14	73	54.77	8/25/2003	8:42	0.3	24.9	8.1	6987
2003	6	31	4	2	283	41	8.34	73	54.4	8/25/2003	8:27	0.3	24.6	8.3	6829
2003	6	32	4	2	239	41	8.81	73	54.6	8/25/2003	8:05	0.3	24.9	7.8	5989
2003	6	32	4	2	240	41	8.48	73	54.42	8/25/2003	8:15	0.3	24.8	7.8	6081
2003	6	32	6	4	237	41	9.274	73	52.181	8/25/2003	14:30	0.3	26	10.1	6227
2003	6	32	6	4	238	41	8.85	73	52.123	8/25/2003	14:19	0.3	26.3	10	6208
2003	6	32	6	4	269	41	9.445	73	52.243	8/25/2003	14:41	0.3	26.6	10.2	6257
2003	6	33	6	4	236	41	9.79	73	52.202	8/25/2003	14:53	0.3	26.5	10.1	5980
2003	6	34	6	2	233	41	10.662	73	53.922	8/28/2003	9:10	0.3	24.3	5.5	8913
2003	6	34	6	2	234	41	10.19	73	53.93	8/28/2003	8:56	0.3	24.2	6.2	8860
2003	6	35	4	2	229	41	10.59	73	56.41	8/28/2003	8:35	0.3	25.5	6.1	9534
2003	6	35	4	2	230	41	10.59	73	56.39	8/28/2003	8:46	0.3	26.1	6.2	9253
2003	6	35	4	2	277	41	10.95	73	57.06	8/28/2003	8:24	0.3	25.6	5.8	9564
2003	6	35	6	2	231	41	11.23	73	53.69	8/28/2003	10:01	0.3	24.9	6.1	9093
2003	6	35	6	2	232	41	11.172	73	53.996	8/28/2003	9:30	0.3	25.6	5.7	8797
2003	6	35	6	2	274	41	11.17	73	53.71	8/28/2003	9:41	0.3	25.7	5.8	8828
2003	6	35	6	2	275	41	11.31	73	53.54	8/28/2003	10:09	0.3	24.8	6.2	9132
2003	6	36	4	2	227	41	11.02	73	57.41	8/28/2003	8:15	0.3	25	5.5	9443
2003	6	36	4	4	281	41	11.13	73	57.16	8/28/2003	8:09	0.3	25.7	5.8	10104
2003	6	36	4	4	282	41	11.2	73	57.17	8/28/2003	7:50	0.3	25.5	5.4	10116
2003	6	36	6	2	228	41	12.25	73	53.5	8/28/2003	10:35	0.3	25.8	5.9	8986
2003	6	36	6	2	276	41	12.17	73	53.51	8/28/2003	10:19	0.3	25.7	6.2	9014
2003	6	39	6	2	218	41	14.02	73	56.4	8/28/2003	11:12	0.3	25.9	5.6	9388
2003	6	40	4	2	209	41	14.97	73	58	8/28/2003	11:49	0.3	27.2	6	7219
2003	6	40	6	2	211	41	14.88	73	57.6	8/28/2003	11:34	0.3	27.2	6.6	7676
2003	6	41	6	2	208	41	15.72	73	50.84	8/28/2003	12:04	0.3	27	6	6923
2003	6	44	6	2	201	41	17.74	73	56.87	8/26/2003	18:57	0.3	26.5	5.9	5526
2003	6	48	4	4	197	41	20.86	73	58.08	8/27/2003	18:30	0.3	26.5	5.8	3014
2003	6	51	6	4	195	41	22.87	73	50.61	8/27/2003	18:00	0.3	26.6	5.7	2362
2003	6	52	6	4	193	41	24.12	73	57.31	8/27/2003	17:19	0.3	26.7	6.3	2028

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	6	53	4	4	192	41	24.19	73	57.95	8/27/2003	16:59	0.3	25.8	6.5	2134
2003	6	55	6	4	189	41	25.66	73	58.14	8/27/2003	16:40	0.3	26.1	6	2081
2003	6	56	4	4	188	41	26.47	73	59.66	8/27/2003	16:26	0.3	26.8	6.1	1618
2003	6	56	4	2	187	41	26.83	74	0.5	8/28/2003	12:50	0.3	26.8	6.1	1621
2003	6	58	6	2	182	41	28.2	73	59.12	8/27/2003	15:58	0.3	27	9	714
2003	6	59	6	2	180	41	29.08	73	59.37	8/27/2003	15:45	0.3	26.3	8	533
2003	6	59	6	2	181	41	29.04	73	59.33	8/27/2003	15:01	0.3	26.1	7.7	455
2003	6	61	4	2	174	41	31.15	74	0.37	8/27/2003	14:50	0.3	26.8	6.6	272
2003	6	62	4	2	171	41	32.19	73	59.91	8/27/2003	14:32	0.3	25.9	7.2	266
2003	6	69	6	2	156	41	37.03	73	56.88	8/27/2003	13:40	0.3	26.8	6.1	226
2003	6	69	6	2	158	41	36.94	73	56.81	8/27/2003	13:50	0.3	26.8	6.2	255
2003	6	72	6	2	152	41	39.77	73	56.55	8/27/2003	12:34	0.3	26.2	6	248
2003	6	74	6	2	149	41	41.064	73	56.289	8/27/2003	11:31	0.3	26.6	6.9	254
2003	6	78	4	2	139	41	44.786	73	56.758	8/27/2003	11:01	0.3	26.4	7.4	242
2003	6	80	6	2	137	41	46.14	73	56.82	8/27/2003	10:50	0.3	26.1	5.9	237
2003	6	82	4	2	134	41	48.51	73	57.22	8/27/2003	10:04	0.3	25.7	6.1	227
2003	6	84	6	2	130	41	50.19	73	56.63	8/27/2003	9:40	0.3	25.7	6.3	231
2003	6	85	6	2	127	41	51.18	73	56.5	8/27/2003	9:07	0.3	25.3	5.9	231
2003	6	86	6	2	125	41	51.75	73	55.89	8/27/2003	8:55	0.3	24.4	6.2	235
2003	6	89	6	4	121	41	53.84	73	57.04	8/27/2003	8:23	0.3	24.9	6	232
2003	6	90	6	4	120	41	54.02	73	57.2	8/27/2003	8:12	0.3	24.8	5.8	232
2003	6	92	4	4	118	41	56.32	73	58.1	8/27/2003	7:01	0.3	24.9	6.5	245
2003	6	93	6	4	117	41	57.036	73	56.721	8/27/2003	7:48	0.3	25	5.9	232
2003	6	96	4	4	105	42	0.22	73	56.65	8/26/2003	18:09	0.3	26	8.2	210
2003	6	97	4	4	102	42	0.83	73	56.38	8/26/2003	17:23	0.3	25.4	6.8	212
2003	6	97	4	4	103	42	0.5	73	56.51	8/26/2003	17:47	0.3	25.9	7.5	212
2003	6	98	4	4	100	42	1.67	73	56.54	8/26/2003	16:50	0.3	25.1	7.2	210
2003	6	98	4	4	101	42	1.426	73	56.456	8/26/2003	17:10	0.3	25.7	8.4	208
2003	6	99	6	4	99	42	2.02	73	55.73	8/26/2003	16:27	0.3	26.2	8.7	209
2003	6	105	4	2	97	42	7.68	73	55.13	8/26/2003	15:45	0.3	25	7.6	129
2003	6	105	4	2	98	42	7.33	73	55.3	8/26/2003	16:04	0.3	25.2	7.9	184
2003	6	106	4	2	96	42	8.147	73	54.796	8/26/2003	15:34	0.3	25.1	7.1	218
2003	6	114	4	2	81	42	14.39	73	50.549	8/26/2003	14:23	0.3	25.3	7.1	212
2003	6	114	6	2	85	42	13.54	73	50.75	8/26/2003	14:50	0.3	25.3	7	208
2003	6	115	6	2	80	42	14.8	73	49.1	8/26/2003	14:03	0.3	25.8	9.3	213
2003	6	116	6	2	77	42	15.02	73	48.31	8/26/2003	13:37	0.3	25.9	9.3	213
2003	6	117	4	2	76	42	15.84	73	47.69	8/26/2003	13:06	0.3	24.8	7.7	205
2003	6	121	4	2	68	42	18.53	73	47.1	8/26/2003	12:39	0.3	25.8	7.4	201
2003	6	122	6	2	62	42	20.105	73	46.848	8/26/2003	12:07	0.3	25.5	9.2	202
2003	6	122	6	2	64	42	19.9	73	46.8	8/26/2003	12:18	0.3	25.7	8.6	202
2003	6	124	6	2	57	42	21.28	73	47.32	8/26/2003	11:49	0.3	25.2	7.5	201
2003	6	131	4	2	33	42	28.06	73	47.13	8/26/2003	11:21	0.3	25.8	6.9	210
2003	6	132	4	4	32	42	28.13	73	47.21	8/26/2003	10:29	0.3	25.5	7.5	225

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	6	134	4	4	27	42	30.17	73	46.88	8/26/2003	9:52	0.3	24.3	7.3	207
2003	6	134	4	4	28	42	30.027	73	46.913	8/26/2003	10:11	0.3	21.1	6.9	221
2003	6	138	4	4	20	42	33.5	73	45.35	8/26/2003	9:11	0.3	24.6	7.5	206
2003	6	139	6	4	17	42	34.22	73	45.02	8/26/2003	8:43	0.3	24.3	7	205
2003	6	140	4	4	13	42	34.59	73	45.25	8/26/2003	8:18	0.3	24.2	7.4	205
2003	7	15	4	4	264	40	53.57	73	56.32	9/8/2003	11:49	0.3	24	6.5	14571
2003	7	16	4	4	262	40	54.9	73	55.7	9/8/2003	11:31	0.3	23.7	7.1	13617
2003	7	20	6	4	258	40	57.73	73	53.661	9/8/2003	12:18	0.3	23.4	6.2	14423
2003	7	21	6	4	257	40	59.13	73	53.13	9/8/2003	12:43	0.3	23.6	6.8	13318
2003	7	22	6	4	256	40	59.97	73	53.05	9/8/2003	13:15	0.3	23.9	6	13674
2003	7	24	6	4	252	41	2.057	73	52.505	9/8/2003	13:55	0.3	24.1	7.2	10360
2003	7	24	6	4	253	41	1.169	73	52.711	9/8/2003	13:33	0.3	24.1	7.5	10857
2003	7	25	4	4	250	41	2.86	73	55.07	9/8/2003	12:22	0.3	23.8	7.4	8515
2003	7	25	4	4	270	41	2.783	73	55.05	9/8/2003	10:47	0.3	23.9	8.6	8630
2003	7	25	6	4	251	41	2.46	73	52.42	9/8/2003	14:08	0.3	24.7		
2003	7	26	4	4	246	41	3.6	73	55.2	9/8/2003	10:02	0.3	23.8	7.3	8719
2003	7	26	4	4	271	41	3.77	73	55.22	9/8/2003	9:52	0.3	23.5	7.2	8506
2003	7	26	4	4	285	41	3.607	73	55.196	9/8/2003	10:11	0.3	23.9	7.5	8467
2003	7	26	6	4	247	41	3.891	73	52.077	9/8/2003	14:48	0.3	25.3	8.7	8177
2003	7	26	6	4	248	41	3.273	73	52.221	9/8/2003	14:37	0.3	25.1	8.4	8171
2003	7	26	6	4	249	41	2.67	73	52.3	9/8/2003	14:27	0.3	24.1	7	10370
2003	7	27	4	4	245	41	4.19	73	55.21	9/8/2003	9:26	0.3	23.9	7.2	7958
2003	7	27	4	4	272	41	4.49	73	55.14	9/8/2003	9:11	0.3	23.8	7.1	7147
2003	7	28	6	2	243	41	5.683	73	52.214	9/8/2003	15:02	0.3	25.5	7.5	6744
2003	7	28	6	4	244	41	5.33	73	52.33	9/8/2003	14:57	0.3	25	8.1	8118
2003	7	29	4	4	242	41	6.1	73	54.88	9/8/2003	8:55	0.3	23.8	7	7137
2003	7	30	4	4	241	41	7.14	73	54.77	9/8/2003	8:39	0.3	24.3	6.5	6639
2003	7	31	4	4	283	41	8.34	73	54.4	9/8/2003	8:23	0.3	24.3	6.4	6548
2003	7	32	4	4	239	41	8.81	73	54.6	9/8/2003	8:01	0.3	24.3	6.8	5427
2003	7	32	4	4	240	41	8.48	73	54.42	9/8/2003	8:10	0.3	24.3	6.4	6346
2003	7	32	6	2	237	41	9.274	73	52.181	9/11/2003	9:33	0.3	21.1	9.3	5929
2003	7	32	6	2	238	41	8.85	73	52.123	9/11/2003	9:23	0.3	23.4	8.1	6918
2003	7	32	6	2	269	41	9.445	73	52.243	9/11/2003	9:40	0.3	21.1	9.3	5961
2003	7	33	6	2	236	41	9.79	73	52.202	9/11/2003	9:50	0.3	21.2	9	5927
2003	7	35	4	2	229	41	10.59	73	56.41	9/11/2003	9:00	0.3	24.5	7.2	4432
2003	7	35	4	2	230	41	10.59	73	56.39	9/11/2003	9:08	0.3	24.6	7.1	4407
2003	7	35	4	2	277	41	10.95	73	57.06	9/11/2003	8:50	0.3	23.5	7.8	4813
2003	7	35	6	2	231	41	11.23	73	53.69	9/11/2003	11:19	0.3	24.4	8.4	5496
2003	7	35	6	2	232	41	11.172	73	53.996	9/11/2003	10:35	0.3	24.2	7.4	5549
2003	7	35	6	2	274	41	11.17	73	53.71	9/11/2003	11:00	0.3	24	7.8	5521
2003	7	36	4	2	227	41	11.02	73	57.41	9/11/2003	8:38	0.3	23.1	7.4	4824
2003	7	36	4	2	281	41	11.13	73	57.16	9/11/2003	8:29	0.3	24	7.2	5053
2003	7	36	4	2	282	41	11.2	73	57.17	9/11/2003	8:19	0.3	23.9	7.2	5054

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	7	36	6	2	228	41	12.25	73	53.5	9/11/2003	11:44	0.3	24.7	8	5382
2003	7	36	6	2	276	41	12.17	73	53.51	9/11/2003	11:26	0.3	24.3	9.4	5386
2003	7	38	4	2	221	41	13.43	73	57.79	9/11/2003	7:30	0.3	24.1	7.6	3405
2003	7	38	4	2	279	41	13.36	73	57.82	9/11/2003	7:57	0.3	23.9	7.1	3428
2003	7	38	4	2	280	41	13.4	73	57.81	9/11/2003	7:42	0.3	23.9	7	3499
2003	7	39	4	4	216	41	13.48	73	57.84	9/10/2003	18:25	0.3	26.5	5.9	2126
2003	7	40	6	4	213	41	14.64	73	57.15	9/10/2003	18:10	0.3	27.3	6.1	2085
2003	7	41	6	4	208	41	15.72	73	50.84	9/10/2003	17:46	0.3	26	5.9	3000
2003	7	42	4	4	206	41	16.412	73	58.1	9/10/2003	17:36	0.3	24.5	7.7	3900
2003	7	44	6	4	201	41	17.74	73	56.87	9/10/2003	17:16	0.3	25.2	5.9	2677
2003	7	48	4	4	197	41	20.86	73	58.08	9/10/2003	16:47	0.3	24.1	6.4	641
2003	7	52	6	4	193	41	24.12	73	57.31	9/10/2003	16:16	0.3	24	6.8	344
2003	7	53	4	4	192	41	24.19	73	57.95	9/10/2003	16:00	0.3	24.1	6.8	381
2003	7	53	6	4	191	41	24.882	73	57.554	9/10/2003	15:40	0.3	24.9	7.6	311
2003	7	55	6	4	189	41	25.66	73	58.14	9/10/2003	15:20	0.3	24.2	7.4	292
2003	7	56	4	4	187	41	26.83	74	0.5	9/10/2003	15:00	0.3	24.2	7.1	273
2003	7	58	6	4	182	41	28.2	73	59.12	9/10/2003	14:23	0.3	24	8.1	309
2003	7	59	6	4	179	41	29.24	73	59.34	9/10/2003	13:42	0.3	24.1	7.9	307
2003	7	59	6	4	180	41	29.08	73	59.37	9/10/2003	13:52	0.3	24.2	7.6	311
2003	7	59	6	4	181	41	29.04	73	59.33	9/10/2003	14:02	0.3	24	8.1	309
2003	7	61	4	2	174	41	31.15	74	0.37	9/10/2003	13:30	0.3	24.4	7.1	255
2003	7	66	4	2	160	41	34.777	73	57.753	9/10/2003	12:36	0.3	23.9	7	210
2003	7	69	4	2	155	41	37.44	73	57.43	9/10/2003	11:47	0.3	21.8	6.5	241
2003	7	69	6	2	158	41	36.94	73	56.81	9/10/2003	12:00	0.3	23	6.7	288
2003	7	71	4	2	154	41	38.88	73	57.23	9/10/2003	11:11	0.3	21.7	6.1	237
2003	7	74	4	2	147	41	41.29	73	56.8	9/10/2003	10:52	0.3	22	6.8	226
2003	7	77	6	4	141	41	44.46	73	56.21	9/10/2003	9:55	0.3	21.7	6.9	221
2003	7	77	6	2	142	41	43.92	73	56.14	9/10/2003	10:26	0.3	21.9	7.2	221
2003	7	81	4	4	135	41	47.474	73	57.457	9/10/2003	9:40	0.3	21.8	6.8	218
2003	7	83	4	4	131	41	49.33	73	57.31	9/10/2003	9:12	0.3	21.4	7	217
2003	7	84	4	4	129	41	50.61	73	57.28	9/10/2003	8:48	0.3	21.4	7	221
2003	7	86	4	4	124	41	51.95	73	56.84	9/10/2003	8:13	0.3	19.4	6.2	224
2003	7	86	6	4	125	41	51.75	73	55.89	9/10/2003	8:31	0.3	20.4	6.6	224
2003	7	89	6	4	121	41	53.84	73	57.04	9/10/2003	8:02	0.3	21.3	6.5	236
2003	7	90	6	4	120	41	54.02	73	57.2	9/10/2003	7:35	0.3	20.5	8.3	241
2003	7	93	4	4	116	41	57.05	73	57.77	9/9/2003	17:53	0.3	21.5	6.5	266
2003	7	94	6	4	114	41	58.085	73	56.467	9/9/2003	17:26	0.3	22.2	8.4	213
2003	7	96	4	4	105	42	0.22	73	56.65	9/9/2003	17:00	0.3	22.6	8.5	215
2003	7	97	4	4	102	42	0.83	73	56.38	9/9/2003	16:48	0.3	22.6	8.4	215
2003	7	98	4	4	100	42	1.67	73	56.54	9/9/2003	16:08	0.3	21.1	6.9	218
2003	7	98	4	4	101	42	1.426	73	56.456	9/9/2003	16:30	0.3	21.6	7.6	216
2003	7	99	6	4	99	42	2.02	73	55.73	9/9/2003	16:00	0.3	22.1	7.4	226
2003	7	105	4	2	97	42	7.68	73	55.13	9/9/2003	15:30	0.3	22.7	7.9	241

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	7	105	4	4	98	42	7.33	73	55.3	9/9/2003	15:39	0.3	22.8	7.9	242
2003	7	106	4	2	96	42	8.147	73	54.796	9/9/2003	15:14	0.3	22.4	8.8	246
2003	7	108	6	2	94	42	9.56	73	53.18	9/9/2003	14:50	0.3	22	8.1	246
2003	7	114	4	2	81	42	14.39	73	50.549	9/9/2003	13:57	0.3	21.8	7.4	239
2003	7	114	6	2	85	42	13.54	73	50.75	9/9/2003	14:17	0.3	22	7.7	242
2003	7	116	6	2	77	42	15.02	73	48.31	9/9/2003	13:41	0.3	22.4	8.1	251
2003	7	119	6	2	71	42	17.16	73	46.8	9/9/2003	13:22	0.3	23.2	9.1	245
2003	7	121	6	2	66	42	19.33	73	46.85	9/9/2003	13:02	0.3	22.7	8.6	244
2003	7	122	4	2	61	42	20.29	73	47.24	9/9/2003	12:29	0.3	22.3	8	250
2003	7	122	4	2	63	42	19.84	73	47.18	9/9/2003	12:39	0.3	22.4	7.9	250
2003	7	124	4	2	55	42	21.64	73	47.62	9/9/2003	11:53	0.3	21.7	7.6	252
2003	7	124	6	2	57	42	21.28	73	47.32	9/9/2003	12:09	0.3	22	7.2	253
2003	7	125	6	2	52	42	22.39	73	47.45	9/9/2003	11:52	0.3	21.9	7.8	255
2003	7	135	4	2	25	42	31.16	73	46.06	9/9/2003	11:06	0.3	21.9	6.5	272
2003	7	139	4	2	15	42	34.32	73	45.25	9/9/2003	10:35	0.3	21.7	7.8	240
2003	7	142	6	2	8	42	36.82	73	45.4	9/9/2003	10:06	0.3	21.6	7.8	249
2003	7	143	4	2	6	42	38.03	73	45.23	9/9/2003	9:38	0.3	20.6	7.1	236
2003	7	145	6	4	4	42	39.51	73	44.09	9/9/2003	8:13	0.3	21.5	6	228
2003	7	145	6	2	5	42	39.19	73	44.41	9/9/2003	8:57	0.3	20.5	6.4	237
2003	8	18	6	4	261	40	56.27	73	54.17	9/22/2003	12:02	0.3	22.8	6	13926
2003	8	21	6	4	257	40	59.13	73	53.13	9/22/2003	11:30	0.3	22.7	5.8	13892
2003	8	22	6	4	256	40	59.97	73	53.05	9/22/2003	11:21	0.3	22.8	6.3	11257
2003	8	23	6	4	254	41	1.086	73	52.681	9/22/2003	11:00	0.3	22.8	6.6	11205
2003	8	23	6	4	255	41	0.74	73	52.83	9/22/2003	11:10	0.3	22.7	6.2	11187
2003	8	24	6	4	252	41	2.057	73	52.505	9/22/2003	10:20	0.3	22.8	6.5	10600
2003	8	24	6	4	253	41	1.169	73	52.711	9/22/2003	10:33	0.3	22.7	7.1	11239
2003	8	25	4	4	250	41	2.86	73	55.07	9/22/2003	12:39	0.3	23	7.5	7744
2003	8	25	4	4	270	41	2.783	73	55.05	9/22/2003	12:30	0.3	22.7	7.1	8346
2003	8	25	6	4	251	41	2.46	73	52.42	9/22/2003	10:19	0.3	22.8	6.4	10632
2003	8	26	4	4	246	41	3.6	73	55.2	9/22/2003	12:58	0.3	22.9	7	8072
2003	8	26	4	4	271	41	3.77	73	55.22	9/22/2003	13:18	0.3	23.4	7.5	7299
2003	8	26	4	4	285	41	3.607	73	55.196	9/22/2003	12:49	0.3	23	7.2	7972
2003	8	26	6	4	247	41	3.891	73	52.077	9/22/2003	9:50	0.3	22.8	6.8	7296
2003	8	26	6	4	248	41	3.273	73	52.221	9/22/2003	9:59	0.3	22.8	6.6	6994
2003	8	26	6	4	249	41	2.67	73	52.3	9/22/2003	10:09	0.3	22.9	7	8020
2003	8	27	4	4	245	41	4.19	73	55.21	9/22/2003	13:29	0.3	23.3	8.3	6881
2003	8	27	4	4	272	41	4.49	73	55.14	9/22/2003	13:39	0.3	23.5	9.4	6431
2003	8	28	6	4	243	41	5.683	73	52.214	9/22/2003	9:30	0.3	23.2	6.3	6947
2003	8	28	6	4	244	41	5.33	73	52.33	9/22/2003	9:39	0.3	22.7	6.8	8011
2003	8	29	4	4	242	41	6.1	73	54.88	9/22/2003	13:50	0.3	23.3	6.9	7211
2003	8	30	4	2	241	41	7.14	73	54.77	9/22/2003	14:06	0.3	23		7474
2003	8	31	4	2	283	41	8.34	73	54.4	9/22/2003	14:26	0.3	23	6.8	7474
2003	8	32	4	2	239	41	8.81	73	54.6	9/22/2003	15:09	0.3	23.6	6.6	7002

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2003	8	32	4	2	240	41	8.48	73	54.42	9/22/2003	14:58	0.3	22.9	8.2	7188
2003	8	32	6	4	237	41	9.274	73	52.181	9/22/2003	8:50	0.3	21.9	6.5	4910
2003	8	32	6	4	238	41	8.85	73	52.123	9/22/2003	9:02	0.3	23.2	6.4	6936
2003	8	32	6	4	269	41	9.445	73	52.243	9/22/2003	8:39	0.3	21.9	6	4971
2003	8	33	6	4	236	41	9.79	73	52.202	9/22/2003	8:29	0.3	21.6	6.6	4580
2003	8	34	6	4	235	41	10.632	73	52.59	9/22/2003	8:20	0.3	21.9	6.5	5947
2003	8	34	6	2	233	41	10.662	73	53.922	9/25/2003	10:26	0.3	21.4	6.9	7952
2003	8	35	4	2	229	41	10.59	73	56.41	9/25/2003	10:45	0.3	23.4	5.7	6084
2003	8	35	4	2	277	41	10.95	73	57.06	9/25/2003	10:58	0.3	23.4	5.6	6362
2003	8	35	6	2	231	41	11.23	73	53.69	9/25/2003	9:54	0.3	21.6	6.5	6808
2003	8	35	6	2	232	41	11.172	73	53.996	9/25/2003	9:10	0.3	21.3	5.3	6517
2003	8	35	6	2	274	41	11.17	73	53.71	9/25/2003	9:24	0.3	21.5	6.1	7057
2003	8	35	6	2	275	41	11.31	73	53.54	9/25/2003	10:06	0.3	21.6	6.5	7118
2003	8	36	6	2	228	41	12.25	73	53.5	9/25/2003	8:24	0.3	21.4	5.9	6997
2003	8	36	6	2	276	41	12.17	73	53.51	9/25/2003	8:40	0.3	21.5	6.6	7143
2003	8	38	4	2	221	41	13.43	73	57.79	9/25/2003	7:30	0.3	22.9	5.7	5190
2003	8	38	4	2	222	41	12.979	73	57.867	9/25/2003	7:51	0.3	23.2	6	5541
2003	8	38	4	2	278	41	12.96	73	57.828	9/25/2003	8:01	0.3	23.2	5.8	5551
2003	8	38	4	2	280	41	13.4	73	57.81	9/25/2003	7:40	0.3	22.5	5.7	5748
2003	8	40	4	4	209	41	14.97	73	58	9/24/2003	16:01	0.3	25.8	5	4949
2003	8	40	4	4	214	41	14.31	73	58.5	9/24/2003	16:18	0.3	24.9	6.6	6678
2003	8	41	6	4	208	41	15.72	73	50.84	9/24/2003	15:45	0.3	25.7	6.3	5597
2003	8	43	6	4	203	41	16.91	73	56.26	9/24/2003	15:30	0.3	23.7	6	6517
2003	8	44	6	4	201	41	17.74	73	56.87	9/24/2003	15:10	0.3	23.9	6	5074
2003	8	48	4	4	197	41	20.86	73	58.08	9/24/2003	14:52	0.3	23	5.8	2606
2003	8	52	6	4	193	41	24.12	73	57.31	9/24/2003	14:35	0.3	22.8	6.2	1182
2003	8	53	4	4	192	41	24.19	73	57.95	9/24/2003	13:54	0.3	22.7	7	954
2003	8	53	6	4	191	41	24.882	73	57.554	9/24/2003	13:41	0.3	22.9	6.8	424
2003	8	55	6	2	189	41	25.66	73	58.14	9/24/2003	13:27	0.3	23.3	7	316
2003	8	56	4	2	187	41	26.83	74	0.5	9/24/2003	13:11	0.3	21.7	6.4	289
2003	8	57	4	2	185	41	27.68	74	0.73	9/24/2003	12:49	0.3	23.1	6.9	254
2003	8	58	4	2	184	41	27.78	74	0.7	9/24/2003	12:39	0.3	23.2	6.8	253
2003	8	59	6	2	179	41	29.24	73	59.34	9/24/2003	11:53	0.3	22.2	6.7	316
2003	8	59	6	2	180	41	29.08	73	59.37	9/24/2003	11:33	0.3	21.8	6.9	324
2003	8	60	6	2	178	41	29.25	73	59.32	9/24/2003	11:03	0.3	20.8	6.5	328
2003	8	62	6	2	170	41	31.8	73	58.98	9/24/2003	10:57	0.3	21.2	6.2	259
2003	8	69	4	2	155	41	37.44	73	57.43	9/24/2003	10:06	0.3	21.7	6.7	224
2003	8	69	6	2	157	41	36.97	73	56.85	9/24/2003	10:20	0.3	21.8	6.8	225
2003	8	74	6	2	148	41	41.15	73	56.31	9/24/2003	9:28	0.3	21.2	6.4	232
2003	8	74	6	2	149	41	41.064	73	56.289	9/24/2003	9:37	0.3	21.5	6.2	227
2003	8	77	6	2	140	41	44.56	73	56.17	9/24/2003	8:59	0.3	20.8	6.4	231
2003	8	78	4	2	139	41	44.786	73	56.758	9/24/2003	8:49	0.3	20.9	6.3	231
2003	8	83	4	4	131	41	49.33	73	57.31	9/24/2003	7:55	0.3	20.4	7.1	236

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2003	8	83	4	2	133	41	48.74	73	57.19	9/24/2003	8:20	0.3	21	6.3	235
2003	8	84	6	4	130	41	50.19	73	56.63	9/24/2003	7:25	0.3	20.8	6.6	241
2003	8	89	6	4	121	41	53.84	73	57.04	9/23/2003	17:30	0.3	21.3	7	240
2003	8	90	6	4	120	41	54.02	73	57.2	9/23/2003	17:05	0.3	21	7	240
2003	8	91	6	4	119	41	55.847	73	56.774	9/23/2003	16:55	0.3	21.5	7.5	265
2003	8	92	4	4	118	41	56.32	73	58.1	9/23/2003	16:45	0.3	21.1	7.1	266
2003	8	93	6	4	117	41	57.036	73	56.721	9/23/2003	16:27	0.3	21.5	7	257
2003	8	94	4	4	115	41	57.78	73	57.47	9/23/2003	16:00	0.3	21.5	6.9	258
2003	8	97	4	4	102	42	0.83	73	56.38	9/23/2003	15:30	0.3	21.5	5.7	236
2003	8	97	4	4	103	42	0.5	73	56.51	9/23/2003	15:50	0.3	21.6	8	237
2003	8	98	4	4	100	42	1.67	73	56.54	9/23/2003	15:01	0.3	21.3	7.2	228
2003	8	98	4	4	101	42	1.426	73	56.456	9/23/2003	15:25	0.3	21.3	7.2	226
2003	8	99	6	2	99	42	2.02	73	55.73	9/23/2003	14:50	0.3	21.3	7	244
2003	8	105	4	2	97	42	7.68	73	55.13	9/23/2003	14:13	0.3	21.3	7.5	243
2003	8	105	4	2	98	42	7.33	73	55.3	9/23/2003	14:23	0.3	21	7.1	263
2003	8	106	4	2	96	42	8.147	73	54.796	9/23/2003	14:00	0.3	21.3	6.8	243
2003	8	113	4	2	86	42	13.12	73	51.33	9/23/2003	13:40	0.3	19.8	7.2	233
2003	8	114	6	2	85	42	13.54	73	50.75	9/23/2003	13:30	0.3	19.7	7.3	245
2003	8	116	6	2	77	42	15.02	73	48.31	9/23/2003	13:04	0.3	20.8	7	223
2003	8	117	4	2	76	42	15.84	73	47.69	9/23/2003	12:49	0.3	20.9	7.3	218
2003	8	118	4	2	75	42	16.12	73	47.49	9/23/2003	12:33	0.3	20	7	225
2003	8	121	4	4	65	42	19.307	73	47.217	9/23/2003	12:18	0.3	20.3	7	226
2003	8	121	4	2	68	42	18.53	73	47.1	9/23/2003	12:08	0.3	20.2	6.7	237
2003	8	122	6	2	62	42	20.105	73	46.848	9/23/2003	11:40	0.3	21	7.4	218
2003	8	122	6	4	64	42	19.9	73	46.8	9/23/2003	11:52	0.3	20.9	7.1	223
2003	8	124	4	4	55	42	21.64	73	47.62	9/23/2003	11:30	0.3	20.8	7.1	233
2003	8	133	4	4	29	42	29.09	73	47.273	9/23/2003	11:07	0.3	20.8	6.8	222
2003	8	139	4	4	15	42	34.32	73	45.25	9/23/2003	9:56	0.3	21	7	225
2003	8	139	4	4	19	42	34.03	73	45.26	9/23/2003	10:44	0.3	20.9	7	228
2003	8	142	6	4	8	42	36.82	73	45.4	9/23/2003	8:59	0.3	20.7	7.5	225
2003	8	148	6	2	3	42	41.41	73	42.584	9/23/2003	8:40	0.3	20.5	7.5	226
2003	8	149	6	4	2	42	42	73	42.07	9/23/2003	8:30	0.3	21	7	247
2003	8	151	4	2	1	42	44.51	73	41.196	9/23/2003	8:02	0.3	21	7	246
2003	9	15	4	4	263	40	54.252	73	55.961	10/6/2003	12:48	0.3	18.4	7.6	9366
2003	9	18	4	4	260	40	56.889	73	55.1	10/6/2003	12:32	0.3	18.5	7.6	7497
2003	9	22	6	4	256	40	59.97	73	53.05	10/6/2003	12:10	0.3	18.2	8.7	4957
2003	9	23	6	4	254	41	1.086	73	52.681	10/6/2003	11:41	0.3	18.5	8.5	4043
2003	9	23	6	4	255	41	0.74	73	52.83	10/6/2003	12:00	0.3	18	8.8	4845
2003	9	24	6	2	252	41	2.057	73	52.505	10/6/2003	11:11	0.3	17.9	8.3	3167
2003	9	24	6	4	253	41	1.169	73	52.711	10/6/2003	11:19	0.3	17.4	8.4	3214
2003	9	25	4	4	250	41	2.86	73	55.07	10/6/2003	13:38	0.3	16.9	9.3	2552
2003	9	25	4	4	270	41	2.783	73	55.05	10/6/2003	13:26	0.3	16.9	9.3	2672
2003	9	25	6	2	251	41	2.46	73	52.42	10/6/2003	10:57	0.3	17.2	8.3	3181

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	9	26	4	4	246	41	3.6	73	55.2	10/6/2003	14:00	0.3	17.1	9.2	2017
2003	9	26	4	4	271	41	3.77	73	55.22	10/6/2003	14:12	0.3	18.4	8.8	2402
2003	9	26	4	4	285	41	3.607	73	55.196	10/6/2003	13:48	0.3			
2003	9	26	6	2	247	41	3.891	73	52.077	10/6/2003	10:17	0.3	15.7	9.2	1271
2003	9	26	6	2	248	41	3.273	73	52.221	10/6/2003	10:28	0.3	15.4	9.3	1331
2003	9	26	6	2	249	41	2.67	73	52.3	10/6/2003	10:44	0.3	16.9	8.3	3153
2003	9	27	4	4	245	41	4.19	73	55.21	10/6/2003	14:22	0.3	18.4	8.6	2184
2003	9	27	4	4	272	41	4.49	73	55.14	10/6/2003	14:39	0.3	18.4	8.8	2059
2003	9	28	6	2	243	41	5.683	73	52.214	10/6/2003	9:53	0.3	15.6	9.1	1257
2003	9	28	6	2	244	41	5.33	73	52.33	10/6/2003	10:01	0.3	15.6	9.2	1263
2003	9	29	4	4	242	41	6.1	73	54.88	10/6/2003	14:55	0.3	18.4	8.8	1601
2003	9	30	4	4	241	41	7.14	73	54.77	10/6/2003	15:05	0.3	18.8	8.3	1463
2003	9	31	4	4	283	41	8.34	73	54.4	10/6/2003	15:19	0.3	18.5	8.5	825
2003	9	32	4	4	239	41	8.81	73	54.6	10/6/2003	15:39	0.3	18.6	8.4	802
2003	9	32	4	4	240	41	8.48	73	54.42	10/6/2003	15:27	0.3	18.4	8.4	823
2003	9	32	6	2	237	41	9.274	73	52.181	10/6/2003	9:20	0.3	16	9.1	768
2003	9	32	6	2	238	41	8.85	73	52.123	10/6/2003	9:29	0.3	16	9.2	777
2003	9	32	6	2	269	41	9.445	73	52.243	10/6/2003	8:28	0.3	15.5	10	500
2003	9	33	6	2	236	41	9.79	73	52.202	10/6/2003	8:15	0.3	15.1	10	503
2003	9	34	6	2	234	41	10.19	73	53.93	10/8/2003	17:58	0.3	18.8	8.2	374
2003	9	35	4	2	229	41	10.59	73	56.41	10/9/2003	8:35	0.3	18.5	7.4	283
2003	9	35	4	2	230	41	10.59	73	56.39	10/9/2003	8:43	0.3	18.7	7.1	270
2003	9	35	4	2	277	41	10.95	73	57.06	10/9/2003	8:19	0.3	18.5	7.2	285
2003	9	35	6	4	231	41	11.23	73	53.69	10/8/2003	17:00	0.3	19.4	9.4	347
2003	9	35	6	4	232	41	11.172	73	53.996	10/8/2003	17:23	0.3	17.8	9.5	385
2003	9	35	6	4	274	41	11.17	73	53.71	10/8/2003	17:10	0.3	19.4	9.2	347
2003	9	35	6	4	275	41	11.31	73	53.54	10/8/2003	16:51	0.3	19.4	9.5	347
2003	9	36	4	2	281	41	11.13	73	57.16	10/9/2003	8:05	0.3	18.9	6.8	299
2003	9	36	6	4	228	41	12.25	73	53.5	10/8/2003	16:10	0.3	20.7	7	996
2003	9	36	6	4	276	41	12.17	73	53.51	10/8/2003	16:20	0.3	20.7	7	996
2003	9	38	4	2	222	41	12.979	73	57.867	10/9/2003	7:40	0.3	18.3	6.9	288
2003	9	38	4	2	278	41	12.96	73	57.828	10/9/2003	7:48	0.3	19.4	7.1	260
2003	9	38	4	2	280	41	13.4	73	57.81	10/9/2003	7:30	0.3	18.5	6.9	283
2003	9	40	4	4	214	41	14.31	73	58.5	10/8/2003	15:50	0.3	20.9	8.4	285
2003	9	40	6	4	210	41	14.87	73	57.74	10/8/2003	15:29	0.3	21	6.9	265
2003	9	41	6	4	208	41	15.72	73	50.84	10/8/2003	15:19	0.3	21.6	7.1	271
2003	9	43	6	4	203	41	16.91	73	56.26	10/8/2003	14:58	0.3	20.2	7.2	258
2003	9	44	6	4	201	41	17.74	73	56.87	10/9/2003	14:48	0.3	20.1	7.3	246
2003	9	49	4	4	196	41	21.16	73	57.74	10/8/2003	14:16	0.3	18.7	8.1	230
2003	9	52	6	4	193	41	24.12	73	57.31	10/8/2003	13:36	0.3	18.1	7.1	229
2003	9	52	6	4	194	41	24.12	73	56.81	10/8/2003	13:50	0.3	18.5	7.7	228
2003	9	53	4	2	192	41	24.19	73	57.95	10/8/2003	13:20	0.3	17.6	7.3	232
2003	9	55	6	2	189	41	25.66	73	58.14	10/8/2003	13:08	0.3	18	7.3	227

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2003	9	57	4	2	185	41	27.68	74	0.73	10/8/2003	12:56	0.3	17.4	7	222
2003	9	58	6	2	182	41	28.2	73	59.12	10/8/2003	12:30	0.3	17.9	8.1	225
2003	9	59	6	2	179	41	29.24	73	59.34	10/8/2003	12:00	0.3	15	8.2	298
2003	9	59	6	2	180	41	29.08	73	59.37	10/8/2003	12:11	0.3	15.5	8.4	291
2003	9	59	6	2	181	41	29.04	73	59.33	10/8/2003	12:21	0.3	15.5	8.4	292
2003	9	60	6	2	177	41	29.52	73	59.24	10/8/2003	11:40	0.3	14.8	8.2	301
2003	9	64	6	2	165	41	32.66	73	58.52	10/8/2003	11:24	0.3	16.5	7.3	235
2003	9	66	4	2	160	41	34.777	73	57.753	10/8/2003	11:09	0.3	17.9	7.6	212
2003	9	69	6	2	156	41	37.03	73	56.88	10/8/2003	10:38	0.3	17.6	7.3	207
2003	9	73	6	2	150	41	40.28	73	56.49	10/8/2003	10:10	0.3	16.9	6.6	209
2003	9	74	6	2	149	41	41.064	73	56.289	10/8/2003	9:43	0.3	15.2	7	215
2003	9	77	6	2	141	41	44.46	73	56.21	10/8/2003	9:05	0.3	15.9	7.9	210
2003	9	78	6	2	138	41	45.18	73	56.22	10/8/2003	8:50	0.3	15.2	6.9	213
2003	9	81	4	4	135	41	47.474	73	57.457	10/8/2003	8:32	0.3	15.4	7.3	210
2003	9	83	4	4	131	41	49.33	73	57.31	10/8/2003	7:25	0.3	15	8.5	209
2003	9	83	4	4	133	41	48.74	73	57.19	10/8/2003	8:11	0.3	15.2	7.2	211
2003	9	87	4	4	123	41	52.616	73	57.292	10/7/2003	17:40	0.3	15	8.2	222
2003	9	89	6	4	121	41	53.84	73	57.04	10/7/2003	17:16	0.3	15	8	217
2003	9	92	4	4	118	41	56.32	73	58.1	10/7/2003	16:56	0.3	15.6	8.6	275
2003	9	93	4	4	116	41	57.05	73	57.77	10/7/2003	16:25	0.3	15.4	8.8	244
2003	9	93	6	4	117	41	57.036	73	56.721	10/7/2003	16:35	0.3	15.4	8.8	245
2003	9	96	4	4	105	42	0.22	73	56.65	10/7/2003	16:06	0.3	15.2	8.1	213
2003	9	97	4	4	102	42	0.83	73	56.38	10/7/2003	15:49	0.3	15.7	9.1	260
2003	9	97	4	4	103	42	0.5	73	56.51	10/7/2003	15:59	0.3	15.7	9.8	213
2003	9	98	4	2	100	42	1.67	73	56.54	10/7/2003	15:25	0.3	15	9.1	213
2003	9	98	4	2	101	42	1.426	73	56.456	10/7/2003	15:39	0.3	15	9.1	213
2003	9	99	6	2	99	42	2.02	73	55.73	10/7/2003	15:09	0.3	15.4	8.7	221
2003	9	105	4	2	97	42	7.68	73	55.13	10/7/2003	14:30	0.3	15.8	8.8	208
2003	9	105	4	2	98	42	7.33	73	55.3	10/9/2003	14:40	0.3	15.1	9.4	211
2003	9	106	4	2	96	42	8.147	73	54.796	10/7/2003	14:05	0.3	15.8	8.9	209
2003	9	114	4	2	83	42	14.26	73	50.71	10/7/2003	13:31	0.3	15.1	8.4	195
2003	9	114	6	2	85	42	13.54	73	50.75	10/7/2003	13:55	0.3	15	8.5	196
2003	9	116	6	2	77	42	15.02	73	48.31	10/7/2003	13:19	0.3	14.3	8.2	198
2003	9	117	4	2	76	42	15.84	73	47.69	10/7/2003	12:40	0.3	14.3	9.3	196
2003	9	119	6	2	71	42	17.16	73	46.8	10/7/2003	12:20	0.3	13.9	9.6	191
2003	9	121	4	2	68	42	18.53	73	47.1	10/7/2003	12:07	0.3	12.9	8.4	205
2003	9	121	6	2	66	42	19.33	73	46.85	10/7/2003	11:56	0.3	14	8.4	198
2003	9	122	4	2	63	42	19.84	73	47.18	10/7/2003	11:49	0.3	14.1	8.4	197
2003	9	124	4	2	55	42	21.64	73	47.62	10/7/2003	11:20	0.3	12.3	8.6	204
2003	9	124	6	2	57	42	21.28	73	47.32	10/7/2003	11:40	0.3	12.4	8.4	205
2003	9	126	4	4	50	42	23.21	73	47.62	10/7/2003	10:59	0.3	12.8	8.4	203
2003	9	127	4	4	46	42	24.35	73	47.08	10/7/2003	10:38	0.3	12.8	8.2	203
2003	9	129	6	4	40	42	25.67	73	46.67	10/7/2003	10:28	0.3	13	8.6	219

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2003	9	133	4	4	29	42	29.09	73	47.273	10/7/2003	10:06	0.3	12.5	8.2	213
2003	9	135	4	4	26	42	30.91	73	46.27	10/7/2003	9:35	0.3	12.4	8.4	268
2003	9	139	4	4	18	42	34.14	73	45.24	10/7/2003	8:53	0.3	12.4	8.3	203
2003	9	139	6	4	14	42	34.34	73	45.02	10/7/2003	8:20	0.3	11.9	9	204
2003	10	16	4	4	262	40	54.9	73	55.7	10/20/2003	10:48	0.3	15.1	7.1	7179
2003	10	18	6	4	261	40	56.27	73	54.17	10/20/2003	11:05	0.3	15.4	7.6	7571
2003	10	22	6	4	256	40	59.97	73	53.05	10/20/2003	11:20	0.3	15.4	7.3	6240
2003	10	23	6	4	254	41	1.086	73	52.681	10/20/2003	11:52	0.3	15.7	7.4	5047
2003	10	23	6	4	255	41	0.74	73	52.83	10/20/2003	11:40	0.3	15.2	7.8	5112
2003	10	24	6	4	252	41	2.057	73	52.505	10/20/2003	12:21	0.3	15.7	7.5	4587
2003	10	24	6	4	253	41	1.169	73	52.711	10/20/2003	12:08	0.3	15.2	8.2	4657
2003	10	25	4	4	250	41	2.86	73	55.07	10/20/2003	9:59	0.3	13.8	7.8	3985
2003	10	25	4	4	270	41	2.783	73	55.05	10/20/2003	10:06	0.3	13.8	7.6	3435
2003	10	25	6	2	251	41	2.46	73	52.42	10/20/2003	12:38	0.3	15.8	7.4	4370
2003	10	26	4	4	246	41	3.6	73	55.2	10/20/2003	9:39	0.3	13.6	8.1	3450
2003	10	26	4	4	271	41	3.77	73	55.22	10/20/2003	9:27	0.3	14.1	7.9	3338
2003	10	26	4	4	285	41	3.607	73	55.196	10/20/2003	9:46	0.3	13.8	8.2	3446
2003	10	26	6	2	247	41	3.891	73	52.077	10/20/2003	13:18	0.3	15.6	8	3424
2003	10	26	6	2	248	41	3.273	73	52.221	10/20/2003	13:07	0.3	16.3	7.4	4468
2003	10	26	6	2	249	41	2.67	73	52.3	10/20/2003	12:50	0.3	16.1	7.6	4471
2003	10	27	4	4	245	41	4.19	73	55.21	10/20/2003	9:05	0.3	14.7	7.5	2605
2003	10	27	4	2	272	41	4.49	73	55.14	10/20/2003	8:54	0.3	15.2	7.2	3066
2003	10	28	6	2	243	41	5.683	73	52.214	10/20/2003	13:38	0.3	15.9	7.5	3218
2003	10	28	6	2	244	41	5.33	73	52.33	10/20/2003	13:31	0.3	15.7	7.9	3314
2003	10	29	4	2	242	41	6.1	73	54.88	10/20/2003	8:44	0.3	15.2	7.1	2453
2003	10	30	4	2	241	41	7.14	73	54.77	10/20/2003	8:30	0.3	16.1	7.4	2491
2003	10	31	4	2	283	41	8.34	73	54.4	10/20/2003	8:20	0.3	16.1	7.4	2525
2003	10	32	4	4	239	41	8.81	73	54.6	10/20/2003	8:02	0.3	15.7	7.6	1819
2003	10	32	4	2	240	41	8.48	73	54.42	10/20/2003	8:12	0.3	16	7.9	2498
2003	10	32	6	2	237	41	9.274	73	52.181	10/20/2003	14:05	0.3	15.5	7.9	2289
2003	10	32	6	2	238	41	8.85	73	52.123	10/20/2003	13:54	0.3	15.8	7.5	2272
2003	10	32	6	2	269	41	9.445	73	52.243	10/20/2003	14:15	0.3	15.3	8.1	2204
2003	10	33	6	2	236	41	9.79	73	52.202	10/20/2003	14:25	0.3	16.2	7.8	2159
2003	10	34	6	2	233	41	10.662	73	53.922	10/20/2003	15:15	0.3	15.3	8	1696
2003	10	34	6	2	234	41	10.19	73	53.93	10/20/2003	14:59	0.3	14.9	10.5	1545
2003	10	34	6	2	235	41	10.632	73	52.59	10/20/2003	14:35	0.3	14.7	10.6	1544
2003	10	35	4	4	230	41	10.59	73	56.39	10/22/2003	16:40	0.3	15	8.3	3240
2003	10	35	4	4	277	41	10.95	73	57.06	10/22/2003	16:25	0.3	15.2	8.4	3264
2003	10	35	6	2	231	41	11.23	73	53.69	10/20/2003	15:53	0.3	15.8	9.6	1708
2003	10	35	6	2	232	41	11.172	73	53.996	10/20/2003	15:31	0.3	15.3	7.9	1694
2003	10	35	6	2	274	41	11.17	73	53.71	10/20/2003	15:45	0.3	15.6	9.8	1707
2003	10	35	6	2	275	41	11.31	73	53.54	10/20/2003	16:01	0.3	15.8	9.4	1698
2003	10	36	4	4	227	41	11.02	73	57.41	10/22/2003	15:59	0.3	14.7	8.3	3131

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	10	36	4	4	281	41	11.13	73	57.16	10/22/2003	15:40	0.3	14.6	8.5	3323
2003	10	36	4	4	282	41	11.2	73	57.17	10/22/2003	15:50	0.3	14.1	8.4	4249
2003	10	36	6	2	228	41	12.25	73	53.5	10/20/2003	16:33	0.3	16.2	9.6	1621
2003	10	36	6	2	276	41	12.17	73	53.51	10/20/2003	16:12	0.3	16.5	9.7	1617
2003	10	40	6	4	211	41	14.88	73	57.6	10/20/2003	15:30	0.3	16.6	7.2	5028
2003	10	41	6	4	208	41	15.72	73	50.84	10/22/2003	15:15	0.3	17.7	7.4	3572
2003	10	43	6	4	202	41	17.12	73	55.98	10/22/2003	14:56	0.3	16.3	7.3	3219
2003	10	43	6	4	204	41	16.693	73	56.484	10/22/2003	15:05	0.3	16.3	7.3	3328
2003	10	44	6	4	201	41	17.74	73	56.87	10/20/2003	14:39	0.3	15.2	7.6	3309
2003	10	49	4	4	196	41	21.16	73	57.74	10/22/2003	14:17	0.3	15.2	8	930
2003	10	52	6	4	193	41	24.12	73	57.31	10/22/2003	13:34	0.3	14.8	8	411
2003	10	52	6	4	194	41	24.12	73	56.81	10/22/2003	14:00	0.3	14.9	8.1	398
2003	10	53	4	4	192	41	24.19	73	57.95	10/22/2003	13:24	0.3	14.4	8.4	338
2003	10	53	6	4	191	41	24.882	73	57.554	10/22/2003	13:00	0.3	14.3	8	238
2003	10	56	4	2	187	41	26.83	74	0.5	10/22/2003	12:40	0.3	13.6	8.8	235
2003	10	57	4	2	185	41	27.68	74	0.73	10/22/2003	12:28	0.3	13.9	8.5	245
2003	10	59	6	2	179	41	29.24	73	59.34	10/22/2003	11:45	0.3	12.7	9.1	334
2003	10	59	6	2	180	41	29.08	73	59.37	10/22/2003	11:55	0.3	12.9	8.7	330
2003	10	59	6	2	181	41	29.04	73	59.33	10/22/2003	12:11	0.3	13	8.7	324
2003	10	60	6	2	177	41	29.52	73	59.24	10/22/2003	11:20	0.3	12.6	8.8	338
2003	10	64	4	2	163	41	33.48	73	59.05	10/22/2003	10:40	0.3	14.3	7.9	235
2003	10	64	4	2	164	41	33.37	73	59.18	10/22/2003	11:01	0.3	14.6	8.2	232
2003	10	71	4	2	154	41	38.88	73	57.23	10/22/2003	9:52	0.3	13.8	8.3	228
2003	10	73	6	2	150	41	40.28	73	56.49	10/22/2003	9:28	0.3	13.4	8.6	227
2003	10	74	6	2	149	41	41.064	73	56.289	10/22/2003	9:00	0.3	13.4	8.5	227
2003	10	77	6	2	140	41	44.56	73	56.17	10/22/2003	8:25	0.3	13.1	8.4	224
2003	10	77	6	2	142	41	43.92	73	56.14	10/22/2003	8:36	0.3	12.6	8.5	225
2003	10	80	6	2	137	41	46.14	73	56.82	10/22/2003	8:06	0.3	13	8.5	224
2003	10	83	4	2	131	41	49.33	73	57.31	10/22/2003	7:35	0.3	12.5	10.1	226
2003	10	83	4	2	133	41	48.74	73	57.19	10/22/2003	7:45	0.3	12.5	10.3	296
2003	10	88	6	2	122	41	53.023	73	56.214	10/21/2003	17:40	0.3	13.1	9.6	292
2003	10	91	6	2	119	41	55.847	73	56.774	10/21/2003	17:07	0.3	13.1	9.3	226
2003	10	92	4	2	118	41	56.32	73	58.1	10/21/2003	16:44	0.3	13.3	9.2	279
2003	10	93	4	2	116	41	57.05	73	57.77	10/21/2003	16:16	0.3	13.8	7.9	285
2003	10	93	6	2	117	41	57.036	73	56.721	10/21/2003	16:28	0.3	13.9	8.9	311
2003	10	96	4	2	105	42	0.22	73	56.65	10/21/2003	15:43	0.3	13.1	9.2	215
2003	10	96	4	2	108	41	59.76	73	56.81	10/21/2003	15:54	0.3	13.6	9.2	216
2003	10	97	4	2	103	42	0.5	73	56.51	10/21/2003	15:31	0.3	13.5	9.4	217
2003	10	98	4	2	100	42	1.67	73	56.54	10/21/2003	15:07	0.3	12.9	9.3	212
2003	10	98	4	2	101	42	1.426	73	56.456	10/21/2003	15:20	0.3	13	9.7	213
2003	10	99	6	4	99	42	2.02	73	55.73	10/21/2003	14:50	0.3	13.7	9.3	211
2003	10	105	4	4	97	42	7.68	73	55.13	10/21/2003	14:06	0.3	13	9.5	211
2003	10	105	4	4	98	42	7.33	73	55.3	10/21/2003	14:21	0.3	12.7	9.4	209

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2003	10	106	4	4	96	42	8.147	73	54.796	10/21/2003	13:50	0.3	13.1	9.8	212
2003	10	113	6	2	87	42	13.32	73	50.85	10/21/2003	13:23	0.3	12.4	9.4	207
2003	10	114	4	2	82	42	14.31	73	50.58	10/21/2003	12:55	0.3	12.2	9.7	202
2003	10	114	4	2	83	42	14.26	73	50.71	10/21/2003	13:05	0.3	12.2	9.7	204
2003	10	116	6	2	77	42	15.02	73	48.31	10/21/2003	12:21	0.3	12.8	9.1	271
2003	10	117	4	2	76	42	15.84	73	47.69	10/21/2003	11:55	0.3	12.3	9.4	266
2003	10	118	4	2	75	42	16.12	73	47.49	10/21/2003	11:35	0.3	12.2	9.6	201
2003	10	122	6	2	62	42	20.105	73	46.848	10/21/2003	11:02	0.3	11.9	10	202
2003	10	122	6	2	64	42	19.9	73	46.8	10/21/2003	11:19	0.3	11.9	9.9	202
2003	10	124	6	2	56	42	21.49	73	47.29	10/21/2003	10:40	0.3	12.3	9	257
2003	10	124	6	2	57	42	21.28	73	47.32	10/21/2003	10:49	0.3	11.9	9.8	196
2003	10	126	4	2	50	42	23.21	73	47.62	10/21/2003	10:20	0.3	11.9	9.7	200
2003	10	127	4	2	46	42	24.35	73	47.08	10/21/2003	10:00	0.3	11.8	9.8	198
2003	10	129	4	2	41	42	25.79	73	46.99	10/21/2003	9:22	0.3	12.3	9.8	193
2003	10	130	4	2	37	42	26.76	73	47.22	10/21/2003	8:58	0.3	11.5	9.6	196
2003	10	131	4	2	33	42	28.06	73	47.13	10/21/2003	8:28	0.3	11.6	9.4	197
2003	10	132	6	2	31	42	28.65	73	47.09	10/21/2003	8:14	0.3	11.6	9.9	198
2003	10	133	4	2	29	42	29.09	73	47.273	10/21/2003	8:05	0.3	11.6	9.5	197
2004	1	19	6	2	259	40	57.735	73	53.561	6/17/2004	9:15	0.3	23	7.4	9228
2004	1	21	6	2	257	40	59.13	73	53.13	6/17/2004	9:38	0.3	23.5	7	6174
2004	1	23	6	2	254	41	1.086	73	52.681	6/17/2004	9:50	0.3	23.5	7.3	6339
2004	1	25	6	2	251	41	2.46	73	52.42	6/17/2004	10:06	0.3	23.9	7.4	5451
2004	1	26	4	2	271	41	3.77	73	55.22	6/17/2004	8:46	0.3	23.9	7.2	4832
2004	1	26	6	2	247	41	3.891	73	52.077	6/17/2004	10:19	0.3	23.9	8	5655
2004	1	27	4	2	245	41	4.19	73	55.21	6/17/2004	8:35	0.3	23.9	6.9	4828
2004	1	28	6	2	243	41	5.683	73	52.214	6/17/2004	10:40	0.3	23.7	7.7	5924
2004	1	30	4	2	241	41	7.14	73	54.77	6/17/2004	8:20	0.3	23.5	6.5	4386
2004	1	31	4	2	283	41	8.34	73	54.4	6/17/2004	8:04	0.3	23.4	7.5	3333
2004	1	32	4	2	239	41	8.81	73	54.6	6/17/2004	7:45	0.3	23.4	6.9	3360
2004	1	32	4	2	240	41	8.48	73	54.42	6/17/2004	7:57	0.3	23.5	6.7	3331
2004	1	32	6	2	237	41	9.274	73	52.181	6/17/2004	11:10	0.3	24.6	7.4	3732
2004	1	32	6	2	238	41	8.85	73	52.123	6/17/2004	10:57	0.3	24.7	7	3751
2004	1	35	6	4	231	41	11.23	73	53.69	6/17/2004	11:41	0.3	24.8	7	2220
2004	1	35	6	4	232	41	11.172	73	53.996	6/17/2004	11:31	0.3	24.9	7.1	2218
2004	1	35	6	4	275	41	11.31	73	53.54	6/17/2004	12:00	0.3	24.9	7	1996
2004	1	36	4	2	227	41	11.02	73	57.41	6/17/2004	7:20	0.3	22.4	7	2335
2004	1	36	4	2	281	41	11.13	73	57.16	6/17/2004	7:00	0.3	23.5	7	2540
2004	1	36	6	4	228	41	12.25	73	53.5	6/17/2004	12:22	0.3	25.2	7.7	2065
2004	1	36	6	4	276	41	12.17	73	53.51	6/17/2004	12:10	0.3	25.1	7.6	2069
2004	1	40	6	4	211	41	14.88	73	57.6	6/17/2004	12:46	0.3	23.8	7.4	972
2004	1	43	6	4	204	41	16.693	73	56.484	6/17/2004	13:00	0.3	23.6	7	995
2004	1	44	6	4	201	41	17.74	73	56.87	6/17/2004	13:30	0.3	24	7.1	915
2004	1	48	4	4	197	41	20.86	73	58.08	6/16/2004	18:22	0.3	22.2	7.2	225

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	1	52	6	4	194	41	24.12	73	56.81	6/16/2004	18:01	0.3	22	7.7	220
2004	1	55	6	4	189	41	25.66	73	58.14	6/16/2004	17:50	0.3	22.6	6.8	214
2004	1	56	4	4	188	41	26.47	73	59.66	6/16/2004	17:38	0.3	22.6	8	211
2004	1	58	6	4	182	41	28.2	73	59.12	6/16/2004	17:16	0.3	24.6		369
2004	1	60	6	4	176	41	29.57	73	59.06	6/16/2004	17:00	0.3	24	6.5	274
2004	1	64	4	4	164	41	33.37	73	59.18	6/16/2004	16:20	0.3	23	8.6	202
2004	1	64	6	4	165	41	32.66	73	58.52	6/16/2004	16:36	0.3	23.5	8	212
2004	1	65	4	4	162	41	33.99	73	58.39	6/16/2004	16:00	0.3	23	7.8	201
2004	1	69	4	4	155	41	37.44	73	57.43	6/16/2004	15:38	0.3	23.2	7.5	197
2004	1	69	6	4	157	41	36.97	73	56.85	6/16/2004	15:45	0.3	22.2	8	205
2004	1	71	4	4	153	41	39.06	73	57.257	6/16/2004	15:18	0.3	21.8	6.7	200
2004	1	72	4	4	151	41	40.04	73	57.11	6/16/2004	15:01	0.3	22.7	6.9	207
2004	1	74	6	4	149	41	41.064	73	56.289	6/16/2004	14:25	0.3	23.8	7.6	193
2004	1	77	6	2	140	41	44.56	73	56.17	6/16/2004	13:55	0.3	21.1	7	201
2004	1	77	6	2	141	41	44.46	73	56.21	6/16/2004	14:04	0.3	21.1	7.2	201
2004	1	78	4	2	139	41	44.786	73	56.758	6/16/2004	13:41	0.3	21.2	7.2	202
2004	1	80	6	2	137	41	46.14	73	56.82	6/16/2004	13:26	0.3	21.6	7.2	202
2004	1	81	4	2	135	41	47.474	73	57.457	6/16/2004	13:15	0.3	22.7	8	209
2004	1	83	4	2	131	41	49.33	73	57.31	6/16/2004	12:45	0.3	22.1	7.9	208
2004	1	83	4	2	133	41	48.74	73	57.19	6/16/2004	13:01	0.3	22.2	7.2	208
2004	1	84	4	2	129	41	50.61	73	57.28	6/16/2004	12:29	0.3	21.5	7	210
2004	1	86	4	2	126	41	51.44	73	56.97	6/16/2004	12:10	0.3	23.4	7.5	206
2004	1	86	6	2	125	41	51.75	73	55.89	6/16/2004	12:00	0.3	22.8	8	212
2004	1	88	6	2	122	41	53.023	73	56.214	6/16/2004	11:40	0.3	22.9	7.4	219
2004	1	89	6	2	121	41	53.84	73	57.04	6/16/2004	11:23	0.3	21.6	7.4	211
2004	1	90	6	2	120	41	54.02	73	57.2	6/16/2004	11:15	0.3	22.1	7.6	208
2004	1	92	4	2	118	41	56.32	73	58.1	6/16/2004	6:43	0.3	20.9	8	245
2004	1	93	4	2	116	41	57.05	73	57.77	6/16/2004	7:07	0.3	20.8	7.5	228
2004	1	93	6	2	117	41	57.036	73	56.721	6/16/2004	10:56	0.3	22.2	7.4	210
2004	1	94	4	2	113	41	58.38	73	57.25	6/16/2004	7:57	0.3	21	6.7	207
2004	1	94	4	2	115	41	57.78	73	57.47	6/16/2004	7:45	0.3	20.8	7.8	228
2004	1	94	6	2	114	41	58.085	73	56.467	6/16/2004	10:41	0.3	22.2	8.7	209
2004	1	95	4	2	111	41	59.083	73	57.079	6/16/2004	8:14	0.3	21.3	7.7	209
2004	1	95	6	2	112	41	58.238	73	56.123	6/16/2004	10:25	0.3	22.7	7.8	205
2004	1	96	4	2	105	42	0.22	73	56.65	6/16/2004	8:57	0.3	21.5	7.9	206
2004	1	96	4	2	108	41	59.76	73	56.81	6/16/2004	8:41	0.3	22.1	8.9	208
2004	1	96	4	2	110	41	59.4	73	56.94	6/16/2004	8:30	0.3	21.4	8.3	205
2004	1	97	4	2	102	42	0.83	73	56.38	6/16/2004	9:25	0.3	21.6	7.6	206
2004	1	97	4	2	103	42	0.5	73	56.51	6/16/2004	9:08	0.3	21.7	8.3	206
2004	1	98	4	2	100	42	1.67	73	56.54	6/16/2004	9:55	0.3	22	8.7	206
2004	1	98	4	2	101	42	1.426	73	56.456	6/16/2004	9:46	0.3	21.8	7.4	206
2004	1	99	6	2	99	42	2.02	73	55.73	6/15/2004	17:11	0.3	24.3	8	206
2004	1	105	4	2	97	42	7.68	73	55.13	6/15/2004	16:32	0.3	22.9	8.4	209

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	1	105	4	2	98	42	7.33	73	55.3	6/15/2004	16:42	0.3	21.6	8.2	208
2004	1	106	4	2	96	42	8.147	73	54.796	6/15/2004	16:18	0.3	23.4	7.6	208
2004	1	109	6	2	92	42	10.27	73	52.32	6/15/2004	15:45	0.3	24.8	9.6	308
2004	1	109	6	2	93	42	9.91	73	52.81	6/15/2004	16:01	0.3	24.8	8.4	214
2004	1	110	6	4	91	42	10.9	73	51.53	6/15/2004	15:24	0.3	25.1	9.7	295
2004	1	114	4	2	82	42	14.31	73	50.58	6/15/2004	14:55	0.3	22.1	7.3	215
2004	1	114	4	2	83	42	14.26	73	50.71	6/15/2004	15:04	0.3	22	7.3	214
2004	1	114	6	2	85	42	13.54	73	50.75	6/15/2004	15:06	0.3	22.3	8.1	212
2004	1	116	6	2	77	42	15.02	73	48.31	6/15/2004	14:43	0.3	22.8	7.4	217
2004	1	117	4	2	76	42	15.84	73	47.69	6/15/2004	14:22	0.3	23.7	7.4	212
2004	1	119	4	2	70	42	17.317	73	47.373	6/15/2004	13:55	0.3	23.6	7.4	209
2004	1	119	6	2	71	42	17.16	73	46.8	6/15/2004	14:04	0.3	23.7	8.1	215
2004	1	119	6	2	72	42	16.82	73	47.28	6/15/2004	14:11	0.3	24.6	8.3	215
2004	1	121	4	2	65	42	19.307	73	47.217	6/15/2004	13:08	0.3	22.4	7.5	209
2004	1	121	4	2	68	42	18.53	73	47.1	6/15/2004	13:33	0.3	21.9	7.2	209
2004	1	121	6	2	66	42	19.33	73	46.85	6/15/2004	13:17	0.3	21.9	7.5	210
2004	1	121	6	2	67	42	18.82	73	46.89	6/15/2004	13:24	0.3	22.1	7.5	210
2004	1	122	4	2	63	42	19.84	73	47.18	6/15/2004	12:43	0.3	23.9	7.2	214
2004	1	122	6	2	64	42	19.9	73	46.8	6/15/2004	12:56	0.3	23.6	7.6	212
2004	1	124	6	2	57	42	21.28	73	47.32	6/15/2004	12:30	0.3	24	7.2	216
2004	1	125	4	2	53	42	22.27	73	47.62	6/15/2004	12:01	0.3	24	7.6	219
2004	1	125	6	2	52	42	22.39	73	47.45	6/15/2004	12:20	0.3	24.4	6.9	204
2004	1	125	6	2	54	42	22.034	73	47.302	6/15/2004	11:51	0.3	25.2	7.5	221
2004	1	128	6	4	43	42	25.02	73	46.62	6/15/2004	11:31	0.3	23.1	7	220
2004	1	132	4	4	32	42	28.13	73	47.21	6/15/2004	11:06	0.3	22	7.6	225
2004	1	135	4	4	26	42	30.91	73	46.27	6/15/2004	10:45	0.3	23	7.3	213
2004	1	139	4	4	15	42	34.32	73	45.25	6/15/2004	10:06	0.3	22.3	7.7	202
2004	1	139	6	4	17	42	34.22	73	45.02	6/15/2004	10:21	0.3	22.2	7.3	209
2004	1	140	4	4	13	42	34.59	73	45.25	6/15/2004	9:52	0.3	22.7	7.5	205
2004	1	143	6	4	7	42	37.48	73	45.14	6/15/2004	9:15	0.3	21.7	8.5	212
2004	1	145	6	4	4	42	39.51	73	44.09	6/15/2004	8:41	0.3	20.8	7.5	187
2004	1	145	6	4	5	42	39.19	73	44.41	6/15/2004	8:55	0.3	20.8	7.5	187
2004	2	20	6	2	258	40	57.73	73	53.661	7/1/2004	9:15	0.3	22.5	6.3	15764
2004	2	22	6	2	256	40	59.97	73	53.05	7/1/2004	9:35	0.3	22.8	6.6	14290
2004	2	23	6	2	254	41	1.086	73	52.681	7/1/2004	9:50	0.3	22.8	6.7	14540
2004	2	26	4	2	246	41	3.6	73	55.2	7/1/2004	8:36	0.3	22.7	6.5	12931
2004	2	26	4	2	271	41	3.77	73	55.22	7/1/2004	8:24	0.3	22.7	6.5	12952
2004	2	26	4	2	285	41	3.607	73	55.196	7/1/2004	8:46	0.3	22.7	6	13014
2004	2	26	6	2	247	41	3.891	73	52.077	7/1/2004	10:27	0.3	23.1	7	12969
2004	2	26	6	2	248	41	3.273	73	52.221	7/1/2004	10:17	0.3	22.9	6.6	14334
2004	2	26	6	2	249	41	2.67	73	52.3	7/1/2004	10:00	0.3	23.4	6.7	13012
2004	2	28	6	2	243	41	5.683	73	52.214	7/1/2004	10:46	0.3	23.2	6.6	12105
2004	2	29	4	2	242	41	6.1	73	54.88	7/1/2004	8:05	0.3	22.6	6	10519

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	2	30	4	2	241	41	7.14	73	54.77	7/1/2004	7:45	0.3	22.4	6	10468
2004	2	31	4	2	283	41	8.34	73	54.4	7/1/2004	7:31	0.3	23.1	6.7	10152
2004	2	32	4	2	240	41	8.48	73	54.42	7/1/2004	7:20	0.3	23.1	6.7	10224
2004	2	34	6	2	233	41	10.662	73	53.922	7/1/2004	11:14	0.3	24.6	7	9872
2004	2	35	4	2	277	41	10.95	73	57.06	7/1/2004	7:02	0.3	23.1	6	8753
2004	2	35	6	2	231	41	11.23	73	53.69	7/1/2004	11:47	0.3	24.6	7.4	8858
2004	2	35	6	2	274	41	11.17	73	53.71	7/1/2004	11:31	0.3	24.6	7.7	8838
2004	2	36	4	2	282	41	11.2	73	57.17	7/1/2004	6:45	0.3	23	6.1	8678
2004	2	36	6	4	228	41	12.25	73	53.5	7/1/2004	12:10	0.3	25.9	7.6	8557
2004	2	36	6	4	276	41	12.17	73	53.51	7/1/2004	11:57	0.3	25.4	7.5	8576
2004	2	39	6	4	218	41	14.02	73	56.4	7/1/2004	12:30	0.3	25.3	7	8742
2004	2	40	4	4	209	41	14.97	73	58	7/1/2004	13:10	0.3	25.9	6.1	6445
2004	2	40	6	4	211	41	14.88	73	57.6	7/1/2004	12:53	0.3	25	6.8	8039
2004	2	49	4	4	196	41	21.16	73	57.74	6/30/2004	17:25	0.3	23.3	5.8	1692
2004	2	52	6	4	193	41	24.12	73	57.31	6/30/2004	16:59	0.3	23.1	6.7	791
2004	2	53	4	4	192	41	24.19	73	57.95	6/30/2004	16:40	0.3	23.1	6.5	790
2004	2	57	4	4	186	41	27.28	74	0.8	6/30/2004	16:22	0.3	23.7	7.5	583
2004	2	59	6	4	178	41	29.25	73	59.32	6/30/2004	16:08	0.3	24.5	6.6	323
2004	2	60	6	4	177	41	29.52	73	59.24	6/30/2004	15:53	0.3	24.3	6.7	324
2004	2	62	6	4	172	41	31.54	73	58.97	6/30/2004	15:35	0.3	25.3	7.9	209
2004	2	63	6	4	169	41	32.07	73	58.83	6/30/2004	15:20	0.3	25.1	8	210
2004	2	64	4	4	163	41	33.48	73	59.05	6/30/2004	15:06	0.3	25.3	8.1	217
2004	2	65	4	4	162	41	33.99	73	58.39	6/30/2004	14:50	0.3	24.8	7.8	213
2004	2	69	6	4	156	41	37.03	73	56.88	6/30/2004	14:15	0.3	24.3	8	208
2004	2	69	6	4	157	41	36.97	73	56.85	6/30/2004	14:27	0.3	23.9	8	210
2004	2	73	6	2	150	41	40.28	73	56.49	6/30/2004	13:54	0.3	23.4	6.5	208
2004	2	76	4	2	146	41	42.94	73	56.87	6/30/2004	13:30	0.3	23.2	6.9	205
2004	2	77	6	2	140	41	44.56	73	56.17	6/30/2004	13:06	0.3	22.3	7	221
2004	2	77	6	2	141	41	44.46	73	56.21	6/30/2004	13:15	0.3	23.4	6.8	211
2004	2	78	6	2	138	41	45.18	73	56.22	6/30/2004	12:52	0.3	23	6.9	212
2004	2	80	6	2	137	41	46.14	73	56.82	6/30/2004	12:34	0.3	23	7.1	213
2004	2	81	4	2	135	41	47.474	73	57.457	6/30/2004	12:15	0.3	23.1	6.6	219
2004	2	82	4	2	134	41	48.51	73	57.22	6/30/2004	11:59	0.3	23.1	6.5	218
2004	2	83	4	2	131	41	49.33	73	57.31	6/30/2004	11:41	0.3	23.4	6.1	216
2004	2	84	4	2	129	41	50.61	73	57.28	6/30/2004	11:22	0.3	23.4	6	217
2004	2	86	6	2	125	41	51.75	73	55.89	6/30/2004	11:04	0.3	22.9	6	218
2004	2	87	4	2	123	41	52.616	73	57.292	6/30/2004	10:41	0.3	22.1	7	219
2004	2	88	6	2	122	41	53.023	73	56.214	6/30/2004	10:51	0.3	22.7	6.2	219
2004	2	89	6	2	121	41	53.84	73	57.04	6/30/2004	10:19	0.3	22	7	219
2004	2	90	6	2	120	41	54.02	73	57.2	6/30/2004	10:06	0.3	22	6.2	219
2004	2	92	4	4	118	41	56.32	73	58.1	6/30/2004	6:56	0.3	21.1	7.4	234
2004	2	93	4	4	116	41	57.05	73	57.77	6/30/2004	7:11	0.3	22	6.9	231
2004	2	93	6	2	117	41	57.036	73	56.721	6/30/2004	9:48	0.3	22.3	7	215

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	2	94	4	4	113	41	58.38	73	57.25	6/30/2004	7:38	0.3	21.8	6	216
2004	2	94	6	2	114	41	58.085	73	56.467	6/30/2004	9:34	0.3	22	6.8	217
2004	2	95	4	4	111	41	59.083	73	57.079	6/30/2004	8:00	0.3	22.1	7.4	217
2004	2	95	6	2	112	41	58.238	73	56.123	6/30/2004	9:17	0.3	22	6.8	217
2004	2	96	4	2	105	42	0.22	73	56.65	6/30/2004	8:35	0.3	22.1	8	215
2004	2	96	4	2	108	41	59.76	73	56.81	6/30/2004	8:25	0.3	22.3	7	221
2004	2	96	4	2	110	41	59.4	73	56.94	6/30/2004	8:10	0.3	22.2	7	222
2004	2	97	4	2	102	42	0.83	73	56.38	6/30/2004	8:57	0.3	21.5	8	218
2004	2	97	4	2	103	42	0.5	73	56.51	6/30/2004	8:47	0.3	22.1	7.9	216
2004	2	98	4	4	100	42	1.67	73	56.54	6/29/2004	17:35	0.3	22.3	7.4	214
2004	2	98	4	4	101	42	1.426	73	56.456	6/29/2004	17:57	0.3	23.5	8	214
2004	2	99	6	4	99	42	2.02	73	55.73	6/29/2004	17:20	0.3	23.2	7.7	214
2004	2	105	4	4	97	42	7.68	73	55.13	6/29/2004	16:50	0.3	24.9	8.1	217
2004	2	105	4	4	98	42	7.33	73	55.3	6/29/2004	17:01	0.3	23.1	7.2	216
2004	2	106	4	4	96	42	8.147	73	54.796	6/29/2004	16:30	0.3	24	7.9	219
2004	2	110	6	4	90	42	11.04	73	51.38	6/29/2004	16:27	0.3	22.6	8.1	229
2004	2	114	4	4	82	42	14.31	73	50.58	6/29/2004	15:40	0.3	23.9	8	229
2004	2	114	4	4	83	42	14.26	73	50.71	6/29/2004	15:55	0.3	23.8	8.1	229
2004	2	114	6	4	85	42	13.54	73	50.75	6/29/2004	16:06	0.3	23.4	7.7	226
2004	2	116	6	4	77	42	15.02	73	48.31	6/29/2004	15:15	0.3	23.9	8	229
2004	2	117	4	4	76	42	15.84	73	47.69	6/29/2004	14:56	0.3	24.7	8	239
2004	2	118	4	4	75	42	16.12	73	47.49	6/29/2004	14:48	0.3	24.3	7.1	242
2004	2	119	4	4	70	42	17.317	73	47.373	6/29/2004	14:19	0.3	24.1	7	241
2004	2	119	6	4	71	42	17.16	73	46.8	6/29/2004	14:30	0.3	24	7	242
2004	2	121	4	2	65	42	19.307	73	47.217	6/29/2004	13:46	0.3	23.4	7	246
2004	2	121	4	2	68	42	18.53	73	47.1	6/29/2004	14:05	0.3	23.3	7.6	243
2004	2	121	6	2	67	42	18.82	73	46.89	6/29/2004	13:55	0.3	23.5	7.8	246
2004	2	122	4	2	61	42	20.29	73	47.24	6/29/2004	13:02	0.3	23.1	7.1	246
2004	2	122	4	2	63	42	19.84	73	47.18	6/29/2004	13:25	0.3	23.3	7	248
2004	2	122	6	2	62	42	20.105	73	46.848	6/29/2004	13:16	0.3	23.3	7.3	247
2004	2	122	6	2	64	42	19.9	73	46.8	6/29/2004	13:37	0.3	23.5	7.4	247
2004	2	124	4	2	55	42	21.64	73	47.62	6/29/2004	12:25	0.3	23.6	6.5	251
2004	2	124	6	2	56	42	21.49	73	47.29	6/29/2004	12:48	0.3	23.6	6.9	246
2004	2	124	6	2	57	42	21.28	73	47.32	6/29/2004	12:55	0.3	22.9	6.6	249
2004	2	127	4	2	46	42	24.35	73	47.08	6/29/2004	12:07	0.3	23.4	7.9	252
2004	2	129	6	2	38	42	26.05	73	46.82	6/29/2004	11:45	0.3	22.9	7.1	258
2004	2	129	6	2	40	42	25.67	73	46.67	6/29/2004	11:56	0.3	23	7.1	257
2004	2	131	4	2	33	42	28.06	73	47.13	6/29/2004	11:33	0.3	22.6	6.3	271
2004	2	133	4	2	29	42	29.09	73	47.273	6/29/2004	11:15	0.3	22.8	7	229
2004	2	135	4	2	25	42	31.16	73	46.06	6/29/2004	10:55	0.3	23	7.7	258
2004	2	139	6	2	14	42	34.34	73	45.02	6/29/2004	10:36	0.3	22.8	6	267
2004	2	142	6	4	8	42	36.82	73	45.4	6/29/2004	10:13	0.3	22.2	6.7	274
2004	2	145	6	4	4	42	39.51	73	44.09	6/29/2004	9:24	0.3	22	6.4	262

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	2	145	6	4	5	42	39.19	73	44.41	6/29/2004	9:44	0.3	22.1	6.6	262
2004	2	148	6	4	3	42	41.41	73	42.584	6/29/2004	9:11	0.3	21.7	6	245
2004	2	149	6	4	2	42	42	73	42.07	6/29/2004	8:50	0.3	21.7	7	247
2004	3	18	4	2	260	40	56.889	73	55.1	7/12/2004	10:03	0.3	24.3	6.3	17280
2004	3	21	6	4	257	40	59.13	73	53.13	7/12/2004	10:48	0.3	24	6.2	16116
2004	3	23	6	2	254	41	1.086	73	52.681	7/12/2004	9:45	0.3	24.2	6.3	14683
2004	3	24	6	4	252	41	2.057	73	52.505	7/12/2004	11:16	0.3	24.5	6.2	14895
2004	3	25	6	4	251	41	2.46	73	52.42	7/12/2004	11:45	0.3	24.8	6.2	13983
2004	3	26	6	4	247	41	3.891	73	52.077	7/12/2004	12:24	0.3	24.5	6.7	13274
2004	3	26	6	4	248	41	3.273	73	52.221	7/12/2004	12:11	0.3	24.2	6.9	13569
2004	3	26	6	4	249	41	2.67	73	52.3	7/12/2004	11:55	0.3	24.7	6.3	13941
2004	3	28	6	4	243	41	5.683	73	52.214	7/12/2004	12:56	0.3	24.7	6.7	11326
2004	3	28	6	4	244	41	5.33	73	52.33	7/12/2004	12:42	0.3	24.9	6.9	11289
2004	3	29	4	2	242	41	6.1	73	54.88	7/12/2004	9:14	0.3	24.9	6.5	11708
2004	3	30	4	2	241	41	7.14	73	54.77	7/12/2004	8:56	0.3	24.8	6.5	11192
2004	3	31	4	2	283	41	8.34	73	54.4	7/12/2004	8:40	0.3	24.8	6.3	11002
2004	3	32	4	2	239	41	8.81	73	54.6	7/12/2004	8:30	0.3	24.9	6.2	10780
2004	3	35	4	2	229	41	10.59	73	56.41	7/15/2004	8:15	0.3	25	5.7	9473
2004	3	35	4	2	230	41	10.59	73	56.39	7/15/2004	8:23	0.3	24.9	6	9133
2004	3	35	4	2	277	41	10.95	73	57.06	7/15/2004	8:04	0.3	24.5	5.8	8927
2004	3	35	6	2	231	41	11.23	73	53.69	7/15/2004	8:41	0.3	24.5	5.6	8363
2004	3	36	4	2	227	41	11.02	73	57.41	7/15/2004	7:45	0.3	24.4	6.3	8965
2004	3	36	4	4	281	41	11.13	73	57.16	7/15/2004	7:30	0.3	24.5	5.6	9279
2004	3	36	6	2	276	41	12.17	73	53.51	7/15/2004	8:56	0.3	23.9	5.7	8172
2004	3	40	6	2	213	41	14.64	73	57.15	7/15/2004	9:24	0.3	24.8	5.3	8622
2004	3	43	6	2	205	41	16.413	73	56.551	7/15/2004	9:41	0.3	24.3	4.3	4408
2004	3	46	6	2	199	41	19.42	73	58.77	7/15/2004	10:06	0.3	24.7	5.9	6194
2004	3	49	4	2	196	41	21.16	73	57.74	7/15/2004	10:22	0.3	24.3	5.1	3637
2004	3	51	6	2	195	41	22.87	73	50.61	7/15/2004	10:43	0.3	24.4	6.2	2971
2004	3	55	6	2	189	41	25.66	73	58.14	7/15/2004	11:02	0.3	24.2	6.1	1568
2004	3	56	4	2	187	41	26.83	74	0.5	7/15/2004	11:30	0.3	24.5	6.4	652
2004	3	56	4	2	188	41	26.47	73	59.66	7/15/2004	11:38	0.3	24.5	6.8	718
2004	3	57	4	2	185	41	27.68	74	0.73	7/15/2004	11:17	0.3	24.6	6.4	660
2004	3	62	6	4	170	41	31.8	73	58.98	7/14/2004	18:00	0.3	25.1	6.5	252
2004	3	63	6	4	167	41	32.41	73	58.61	7/14/2004	17:49	0.3	25.6	6.7	252
2004	3	64	6	4	165	41	32.66	73	58.52	7/14/2004	17:30	0.3	25.1	6.6	253
2004	3	69	4	4	155	41	37.44	73	57.43	7/14/2004	16:54	0.3	24.6	6.6	221
2004	3	69	6	4	156	41	37.03	73	56.88	7/14/2004	17:10	0.3	24.3	6.2	222
2004	3	71	4	4	153	41	39.06	73	57.257	7/14/2004	16:30	0.3	23.9	5.4	218
2004	3	72	6	4	152	41	39.77	73	56.55	7/14/2004	16:15	0.3	24.3	6	217
2004	3	74	4	4	147	41	41.29	73	56.8	7/14/2004	16:00	0.3	24.6	6.9	218
2004	3	77	6	4	140	41	44.56	73	56.17	7/14/2004	15:00	0.3	24.8	6.4	218
2004	3	77	6	4	141	41	44.46	73	56.21	7/14/2004	15:11	0.3	24.8	6.7	218

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	3	77	6	4	142	41	43.92	73	56.14	7/14/2004	15:26	0.3	25.4	6.8	220
2004	3	80	6	4	137	41	46.14	73	56.82	7/14/2004	14:44	0.3	24.6	6.7	222
2004	3	81	4	4	135	41	47.474	73	57.457	7/14/2004	14:31	0.3	24.8	6.3	220
2004	3	82	4	4	134	41	48.51	73	57.22	7/14/2004	14:18	0.3	24.2	6	225
2004	3	84	4	4	129	41	50.61	73	57.28	7/14/2004	13:34	0.3	24.6	5.9	225
2004	3	84	6	4	130	41	50.19	73	56.63	7/14/2004	13:54	0.3	25	6.6	221
2004	3	86	4	2	126	41	51.44	73	56.97	7/14/2004	13:17	0.3	25	5.9	222
2004	3	86	6	2	125	41	51.75	73	55.89	7/14/2004	13:00	0.3	24.8	6.7	223
2004	3	87	4	2	123	41	52.616	73	57.292	7/12/2004	12:36	0.3	24.5	5.9	222
2004	3	89	6	2	121	41	53.84	73	57.04	7/14/2004	12:24	0.3	24.5	6	223
2004	3	90	6	2	120	41	54.02	73	57.2	7/14/2004	12:15	0.3	24	5.9	226
2004	3	92	4	2	118	41	56.32	73	58.1	7/14/2004	7:22	0.3	23.1	5.8	258
2004	3	93	4	2	116	41	57.05	73	57.77	7/14/2004	7:40	0.3	23	5.7	246
2004	3	93	6	2	117	41	57.036	73	56.721	7/14/2004	11:54	0.3	24	6.9	234
2004	3	94	4	2	113	41	58.38	73	57.25	7/14/2004	8:15	0.3	23.6	5.6	239
2004	3	94	4	2	115	41	57.78	73	57.47	7/14/2004	7:55	0.3	23.3	5.9	231
2004	3	94	6	2	114	41	58.085	73	56.467	7/14/2004	11:44	0.3	24	6.7	234
2004	3	95	4	2	111	41	59.083	73	57.079	7/14/2004	8:34	0.3	24	5.6	243
2004	3	95	6	2	112	41	58.238	73	56.123	7/14/2004	11:30	0.3	24.2	5.1	232
2004	3	96	4	2	105	42	0.22	73	56.65	7/14/2004	9:18	0.3	23.7	7	237
2004	3	96	4	2	108	41	59.76	73	56.81	7/14/2004	9:08	0.3	23.8	6.8	244
2004	3	96	4	2	110	41	59.4	73	56.94	7/14/2004	8:54	0.3	23.6	6.6	246
2004	3	96	6	2	109	41	59.43	73	56.012	7/14/2004	11:15	0.3	24	6.7	236
2004	3	97	4	2	103	42	0.5	73	56.51	7/12/2004	9:26	0.3	23.8	6.2	236
2004	3	97	4	2	102	42	0.83	73	56.38	7/13/2004	9:44	0.3	23.5	6.6	242
2004	3	97	6	2	104	42	0.26	73	55.792	7/14/2004	10:48	0.3	24.1	5.8	247
2004	3	98	4	2	100	42	1.67	73	56.54	7/14/2004	10:08	0.3	24	6.4	250
2004	3	98	4	2	101	42	1.426	73	56.456	7/14/2004	10:01	0.3	23.7	6	252
2004	3	99	6	2	99	42	2.02	73	55.73	7/14/2004	10:27	0.3	23.5	5.7	255
2004	3	114	4	4	81	42	14.39	73	50.549	7/13/2004	16:22	0.3	24	7	275
2004	3	114	4	4	82	42	14.31	73	50.58	7/13/2004	16:35	0.3	24.1	5.8	273
2004	3	114	6	4	84	42	14.02	73	50.18	7/13/2004	16:46	0.3	23.9	7.1	273
2004	3	115	6	4	79	42	14.8	73	49	7/13/2004	16:10	0.3	24.2	6.1	274
2004	3	116	6	4	77	42	15.02	73	48.31	7/13/2004	15:51	0.3	24.1	6.2	275
2004	3	117	4	4	76	42	15.84	73	47.69	7/13/2004	15:37	0.3	24	7.5	270
2004	3	118	4	4	75	42	16.12	73	47.49	7/13/2004	15:19	0.3	23.7	7.4	273
2004	3	119	4	4	70	42	17.317	73	47.373	7/13/2004	14:29	0.3	23.4	7.6	274
2004	3	119	6	4	69	42	17.29	73	46.78	7/13/2004	14:45	0.3	23.8	7.1	273
2004	3	119	6	4	71	42	17.16	73	46.8	7/13/2004	14:51	0.3	23.9	6.9	272
2004	3	119	6	4	72	42	16.82	73	47.28	7/13/2004	15:04	0.3	23.2	6.9	278
2004	3	121	4	4	68	42	18.53	73	47.1	7/13/2004	14:14	0.3	24.1	7.6	270
2004	3	121	6	4	66	42	19.33	73	46.85	7/13/2004	13:53	0.3	23.7	7.5	271
2004	3	121	6	4	67	42	18.82	73	46.89	7/13/2004	14:00	0.3	23.9	7.5	247

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	3	122	4	4	63	42	19.84	73	47.18	7/13/2004	13:42	0.3	24.2	6.8	269
2004	3	122	6	2	62	42	20.105	73	46.848	7/13/2004	13:27	0.3	23.4	6.5	247
2004	3	122	6	2	64	42	19.9	73	46.8	7/13/2004	13:36	0.3	24	7.7	269
2004	3	124	4	2	55	42	21.64	73	47.62	7/13/2004	12:58	0.3	24.1	8.1	266
2004	3	124	6	2	56	42	21.49	73	47.29	7/13/2004	13:15	0.3	24	8	264
2004	3	129	6	2	39	42	25.879	73	46.76	7/13/2004	12:35	0.3	23.7	8.2	274
2004	3	131	4	2	33	42	28.06	73	47.13	7/13/2004	12:18	0.3	23.1	5.5	313
2004	3	133	4	2	29	42	29.09	73	47.273	7/13/2004	12:05	0.3	24.2	6.5	295
2004	3	134	4	2	27	42	30.17	73	46.88	7/13/2004	11:40	0.3	23.4	5.9	284
2004	3	134	4	2	28	42	30.027	73	46.913	7/13/2004	11:55	0.3	23.4	6	278
2004	3	139	4	2	16	42	34.31	73	45.21	7/13/2004	11:12	0.3	22.9	8	288
2004	3	139	4	2	19	42	34.03	73	45.26	7/13/2004	11:18	0.3	24	7.6	283
2004	3	139	6	2	14	42	34.34	73	45.02	7/13/2004	11:05	0.3	23.9	6.8	244
2004	3	145	6	2	4	42	39.51	73	44.09	7/13/2004	10:19	0.3	24.5	6.5	270
2004	3	145	6	2	5	42	39.19	73	44.41	7/13/2004	10:29	0.3	24.1	6.5	271
2004	3	148	6	2	3	42	41.41	73	42.584	7/13/2004	10:06	0.3	23.6	7.3	250
2004	3	151	4	2	1	42	44.51	73	41.196	7/13/2004	9:42	0.3	24	7.4	240
2004	4	18	4	4	260	40	56.889	73	55.1	7/26/2004	11:47	0.3	26.7	6.2	14768
2004	4	18	6	4	261	40	56.27	73	54.17	7/26/2004	12:08	0.3	24.8	5	15743
2004	4	19	6	4	259	40	57.735	73	53.561	7/26/2004	12:30	0.3	25.6	6.2	14887
2004	4	21	6	2	257	40	59.13	73	53.13	7/26/2004	12:50	0.3	25.8	6.3	12720
2004	4	23	6	2	254	41	1.086	73	52.681	7/26/2004	13:09	0.3	26.5	6.8	12723
2004	4	24	6	2	252	41	2.057	73	52.505	7/26/2004	13:42	0.3	26.3	6.3	12649
2004	4	24	6	2	253	41	1.169	73	52.711	7/26/2004	13:29	0.3	26.1	7.1	12691
2004	4	25	4	4	250	41	2.86	73	55.07	7/26/2004	11:01	0.3	25.5	7.4	11575
2004	4	25	4	4	270	41	2.783	73	55.05	7/26/2004	11:19	0.3	25.5	7.4	11437
2004	4	25	6	2	251	41	2.46	73	52.42	7/26/2004	13:54	0.3	26.6	7.2	13131
2004	4	26	4	4	246	41	3.6	73	55.2	7/26/2004	10:30	0.3	24.6	7.8	11630
2004	4	26	4	4	271	41	3.77	73	55.22	7/26/2004	10:18	0.3	24.6		11560
2004	4	26	4	4	285	41	3.607	73	55.196	7/26/2004	10:44	0.3	24.6	7.7	11600
2004	4	26	6	2	247	41	3.891	73	52.077	7/26/2004	14:35	0.3	26.5	7.2	12858
2004	4	26	6	2	248	41	3.273	73	52.221	7/26/2004	14:22	0.3	26.5	6.7	12713
2004	4	26	6	2	249	41	2.67	73	52.3	7/26/2004	14:10	0.3	26.1	6.4	13226
2004	4	27	4	4	245	41	4.19	73	55.21	7/26/2004	10:03	0.3	24.4	7.5	11426
2004	4	27	4	4	272	41	4.49	73	55.14	7/26/2004	9:37	0.3	24.2	7.2	10865
2004	4	28	6	2	243	41	5.683	73	52.214	7/26/2004	15:02	0.3	27	7.6	9849
2004	4	28	6	2	244	41	5.33	73	52.33	7/26/2004	14:49	0.3	26.9	7	10224
2004	4	29	4	2	242	41	6.1	73	54.88	7/26/2004	9:20	0.3	24.4	7	10791
2004	4	30	4	2	241	41	7.14	73	54.77	7/26/2004	9:04	0.3	24	6.7	10819
2004	4	31	4	2	283	41	8.34	73	54.4	7/26/2004	8:45	0.3	24.9	6.2	10441
2004	4	32	4	2	239	41	8.81	73	54.6	7/26/2004	8:22	0.3	24.8	7	9442
2004	4	32	4	2	240	41	8.48	73	54.42	7/26/2004	8:36	0.3	24.8	6.3	10302
2004	4	32	6	2	237	41	9.274	73	52.181	7/26/2004	15:31	0.3	26.7	6.9	9804

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	4	32	6	2	238	41	8.85	73	52.123	7/26/2004	15:21	0.3	26.8	7	9880
2004	4	32	6	2	269	41	9.445	73	52.243	7/26/2004	15:42	0.3	27	7	9687
2004	4	33	6	2	236	41	9.79	73	52.202	7/26/2004	15:49	0.3	26.8	6.6	9698
2004	4	34	6	2	235	41	10.632	73	52.59	7/26/2004	16:02	0.3	29.4	7	8817
2004	4	34	6	2	234	41	10.19	73	53.93	7/29/2004	9:15	0.3	25	6.3	8437
2004	4	35	4	2	229	41	10.59	73	56.41	7/29/2004	9:39	0.3	26.2	5.8	6988
2004	4	35	4	2	230	41	10.59	73	56.39	7/29/2004	9:31	0.3	26.2	6.4	7095
2004	4	35	4	2	277	41	10.95	73	57.06	7/29/2004	9:48	0.3	26.4	6.1	6747
2004	4	35	6	2	231	41	11.23	73	53.69	7/29/2004	8:59	0.3	24.8	6.7	8262
2004	4	35	6	2	275	41	11.31	73	53.54	7/29/2004	8:50	0.3	25	7	8268
2004	4	36	4	4	227	41	11.02	73	57.41	7/29/2004	9:57	0.3	26.4	6.4	6728
2004	4	36	4	4	281	41	11.13	73	57.16	7/29/2004	10:06	0.3	26.6	5.9	6614
2004	4	36	4	4	282	41	11.2	73	57.17	7/29/2004	10:22	0.3	26.7	6.2	6658
2004	4	36	6	2	228	41	12.25	73	53.5	7/29/2004	8:30	0.3	24.3	5.8	8074
2004	4	36	6	2	276	41	12.17	73	53.51	7/29/2004	8:39	0.3	24.4	5.5	8098
2004	4	38	4	2	222	41	12.979	73	57.867	7/29/2004	7:25	0.3	25.7	5.7	6294
2004	4	38	4	2	278	41	12.96	73	57.828	7/29/2004	7:50	0.3	25.7	5.6	6294
2004	4	41	6	2	208	41	15.72	73	50.84	7/28/2004	16:35	0.3	26.4	5.3	4259
2004	4	42	4	4	206	41	16.412	73	58.1	7/28/2004	15:47	0.3	25.7	5.4	4426
2004	4	43	6	4	202	41	17.12	73	55.98	7/28/2004	15:02	0.3	25.7	5.9	3878
2004	4	43	6	4	203	41	16.91	73	56.26	7/28/2004	15:24	0.3	25.6	5.8	4160
2004	4	44	6	4	201	41	17.74	73	56.87	7/28/2004	14:40	0.3	26.2	5.6	4803
2004	4	49	4	4	196	41	21.16	73	57.74	7/28/2004	14:17	0.3	25	5.6	2069
2004	4	52	6	4	193	41	24.12	73	57.31	7/28/2004	13:51	0.3	24.7	5.4	1885
2004	4	53	4	4	192	41	24.19	73	57.95	7/28/2004	13:33	0.3	24.9	5.7	1597
2004	4	53	6	4	191	41	24.882	73	57.554	7/28/2004	13:25				
2004	4	55	6	4	189	41	25.66	73	58.14	7/28/2004	13:05	0.3	25	5.6	1474
2004	4	56	4	4	188	41	26.47	73	59.66	7/28/2004	12:44	0.3	24.8	5.8	944
2004	4	58	6	4	182	41	28.2	73	59.12	7/28/2004	12:27	0.3	24.1	6.1	938
2004	4	59	6	4	179	41	29.24	73	59.34	7/28/2004	11:50	0.3	23.8	5.7	632
2004	4	59	6	4	180	41	29.08	73	59.37	7/28/2004	12:05	0.3	23.9	5.5	606
2004	4	59	6	4	181	41	29.04	73	59.33	7/28/2004	12:16	0.3	24	5.8	619
2004	4	61	4	4	174	41	31.15	74	0.37	7/28/2004	11:32	0.3	24.9	6.2	328
2004	4	62	4	4	171	41	32.19	73	59.91	7/28/2004	11:19	0.3	25.1	6.3	285
2004	4	63	6	4	168	41	32.3	73	58.633	7/28/2004	11:03	0.3	23.9	5.9	368
2004	4	64	4	2	164	41	33.37	73	59.18	7/28/2004	10:49	0.3	25	6.3	251
2004	4	69	4	2	155	41	37.44	73	57.43	7/28/2004	10:06	0.3	25	6.3	236
2004	4	74	6	2	148	41	41.15	73	56.31	7/28/2004	9:43	0.3	24.5	7	247
2004	4	77	6	2	141	41	44.46	73	56.21	7/28/2004	9:05	0.3	24.3	7	237
2004	4	77	6	2	143	41	43.83	73	56.16	7/28/2004	9:26	0.3	24.4	7	242
2004	4	78	6	2	138	41	45.18	73	56.22	7/28/2004	8:56	0.3	24.8	6.8	250
2004	4	82	4	2	134	41	48.51	73	57.22	7/28/2004	8:36	0.3	24.8	6.8	245
2004	4	84	4	2	129	41	50.61	73	57.28	7/28/2004	8:12	0.3	24.8	6.8	240

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	4	86	6	2	125	41	51.75	73	55.89	7/28/2004	8:02	0.3	24.8	6.8	250
2004	4	87	4	2	123	41	52.616	73	57.292	7/28/2004	7:33	0.3	28.8	6.8	228
2004	4	88	6	2	122	41	53.023	73	56.214	7/28/2004	7:19	0.3	25.2	5.6	274
2004	4	90	6	2	120	41	54.02	73	57.2	7/28/2004	7:00	0.3	25.4	5.8	287
2004	4	93	6	4	117	41	57.036	73	56.721	7/27/2004	16:20	0.3	24.2	5.8	299
2004	4	95	4	4	111	41	59.083	73	57.079	7/27/2004	15:45	0.3	23.7	7.5	280
2004	4	96	4	4	105	42	0.22	73	56.65	7/27/2004	15:20	0.3	24	6.9	281
2004	4	96	4	4	108	41	59.76	73	56.81	7/27/2004	15:30	0.3	23.8	6.8	280
2004	4	97	4	4	102	42	0.83	73	56.38	7/27/2004	14:47	0.3	24.2	6.6	269
2004	4	97	4	4	103	42	0.5	73	56.51	7/27/2004	15:06	0.3	24	6.5	283
2004	4	98	4	4	101	42	1.426	73	56.456	7/27/2004	14:32	0.3	24.2	6.5	285
2004	4	105	4	4	97	42	7.68	73	55.13	7/27/2004	13:54	0.3	24.3	6.9	281
2004	4	105	4	4	98	42	7.33	73	55.3	7/27/2004	14:05	0.3	24.5	6.1	278
2004	4	106	4	4	96	42	8.147	73	54.796	7/27/2004	13:41	0.3	23.3	5.8	297
2004	4	114	4	4	83	42	14.26	73	50.71	7/27/2004	13:13	0.3	24.6	6.8	290
2004	4	115	6	4	79	42	14.8	73	49	7/27/2004	12:55	0.3	23.9	7.7	302
2004	4	116	6	4	77	42	15.02	73	48.31	7/27/2004	12:34	0.3	24.6	6.5	298
2004	4	117	4	4	76	42	15.84	73	47.69	7/27/2004	12:24	0.3	23.9	7.5	295
2004	4	119	6	2	71	42	17.16	73	46.8	7/27/2004	12:08	0.3	24.1	8	292
2004	4	121	6	2	66	42	19.33	73	46.85	7/27/2004	11:27	0.3	24.1	7.7	279
2004	4	121	6	2	67	42	18.82	73	46.89	7/27/2004	11:49	0.3	24.6	7.3	282
2004	4	122	6	2	62	42	20.105	73	46.848	7/27/2004	11:14	0.3	24.1	7.5	277
2004	4	124	4	2	55	42	21.64	73	47.62	7/27/2004	10:45	0.3	24.6	7	260
2004	4	124	6	2	56	42	21.49	73	47.29	7/27/2004	10:55	0.3	24.4	6.5	264
2004	4	125	6	2	52	42	22.39	73	47.45	7/27/2004	10:29	0.3	23.8	6.6	264
2004	4	126	4	2	48	42	23.65	73	47.38	7/27/2004	10:07	0.3	24.2	6.1	261
2004	4	129	4	2	41	42	25.79	73	46.99	7/27/2004	10:00	0.3	24.2	6.3	262
2004	4	131	4	2	33	42	28.06	73	47.13	7/27/2004	9:21	0.3	24.3	6	270
2004	4	131	4	2	35	42	27.8	73	47.1	7/27/2004	9:35	0.3	24.1	5.6	265
2004	4	139	4	2	15	42	34.32	73	45.25	7/27/2004	8:15	0.3	23.7	6	278
2004	4	139	6	2	17	42	34.22	73	45.02	7/27/2004	8:30	0.3	23.6	6	279
2004	5	14	4	4	266	40	52.925	73	56.648	8/9/2004	11:48	0.3	25.4	6.6	8625
2004	5	18	4	4	260	40	56.889	73	55.1	8/9/2004	11:27	0.3	25.6	6.6	8088
2004	5	18	6	2	261	40	56.27	73	54.17	8/9/2004	12:15	0.3	25.9	6.5	9114
2004	5	19	6	2	259	40	57.735	73	53.561	8/9/2004	12:42	0.3	25.7	6.9	7109
2004	5	20	6	2	258	40	57.73	73	53.661	8/9/2004	12:49	0.3	26.3	6.9	7061
2004	5	24	6	2	252	41	2.057	73	52.505	8/9/2004	13:12	0.3	25.7	6.9	6216
2004	5	24	6	2	253	41	1.169	73	52.711	8/9/2004	13:05	0.3	26	6.9	6490
2004	5	25	4	4	250	41	2.86	73	55.07	8/9/2004	10:33	0.3	24.6	6.8	6347
2004	5	25	4	4	270	41	2.783	73	55.05	8/9/2004	10:52	0.3	25	6.8	6365
2004	5	25	6	2	251	41	2.46	73	52.42	8/9/2004	13:26	0.3	26.8	6.9	5751
2004	5	26	4	4	246	41	3.6	73	55.2	8/9/2004	10:01	0.3	24.1	6.9	6037
2004	5	26	4	4	271	41	3.77	73	55.22	8/9/2004	9:54	0.3	24.1	6.8	6037

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	5	26	4	4	285	41	3.607	73	55.196	8/9/2004	10:13	0.3	24.5	6.8	6179
2004	5	26	6	2	247	41	3.891	73	52.077	8/9/2004	14:00	0.3	25.8	6.7	5703
2004	5	26	6	2	248	41	3.273	73	52.221	8/9/2004	13:49	0.3	26.8	6.9	5761
2004	5	26	6	2	249	41	2.67	73	52.3	8/9/2004	13:38	0.3	26.8	6.9	5838
2004	5	27	4	4	245	41	4.19	73	55.21	8/9/2004	9:41	0.3	23.8	7	5513
2004	5	27	4	4	272	41	4.49	73	55.14	8/9/2004	9:18	0.3	24.1	7	4932
2004	5	28	6	2	243	41	5.683	73	52.214	8/9/2004	14:21	0.3	27.4	6.7	4790
2004	5	28	6	2	244	41	5.33	73	52.33	8/9/2004	14:14	0.3	26.8	6.8	4667
2004	5	29	4	2	242	41	6.1	73	54.88	8/9/2004	9:04	0.3	24.4	7	4037
2004	5	30	4	2	241	41	7.14	73	54.77	8/9/2004	8:48	0.3	24.4	7	3981
2004	5	31	4	2	283	41	8.34	73	54.4	8/9/2004	8:37	0.3	25	7	3214
2004	5	32	4	2	239	41	8.81	73	54.6	8/9/2004	8:10	0.3	25.2	7.2	2897
2004	5	32	4	2	240	41	8.48	73	54.42	8/9/2004	8:23	0.3	25	7.1	3213
2004	5	32	6	2	237	41	9.274	73	52.181	8/9/2004	14:55	0.3	28.4	6.2	3979
2004	5	32	6	2	238	41	8.85	73	52.123	8/9/2004	14:43	0.3	26.7	6.9	3713
2004	5	32	6	2	269	41	9.445	73	52.243	8/9/2004	15:07	0.3	28.2	6.2	3916
2004	5	33	6	2	236	41	9.79	73	52.202	8/9/2004	15:16	0.3	29	6.2	3756
2004	5	34	6	2	235	41	10.632	73	52.59	8/9/2004	16:00	0.3	28.8	6.7	3777
2004	5	34	6	2	233	41	10.662	73	53.922	8/10/2004	7:57	0.3	24.9	6.7	3166
2004	5	34	6	2	234	41	10.19	73	53.93	8/10/2004	7:41	0.3	25.2	6.4	3244
2004	5	35	4	2	229	41	10.59	73	56.41	8/10/2004	9:55	0.3	26.4	6.1	3028
2004	5	35	4	2	230	41	10.59	73	56.39	8/10/2004	9:43	0.3	26.3	5.9	2987
2004	5	35	4	2	277	41	10.95	73	57.06	8/10/2004	10:15	0.3	26.3	7.3	2799
2004	5	35	6	2	231	41	11.23	73	53.69	8/10/2004	8:40	0.3	24.7	7.6	3150
2004	5	35	6	2	232	41	11.172	73	53.996	8/10/2004	8:13	0.3	25.1	7	3146
2004	5	35	6	2	274	41	11.17	73	53.71	8/10/2004	8:32	0.3	24.7	7.6	3147
2004	5	35	6	2	275	41	11.31	73	53.54	8/10/2004	8:47	0.3	24.6	7.8	3143
2004	5	36	4	2	227	41	11.02	73	57.41	8/10/2004	10:08	0.3	26.2	6.2	2791
2004	5	36	4	2	281	41	11.13	73	57.16	8/10/2004	10:28	0.3	26.8	7.3	2899
2004	5	36	6	2	228	41	12.25	73	53.5	8/10/2004	9:11	0.3	24.7	7.2	3131
2004	5	36	6	2	276	41	12.17	73	53.51	8/10/2004	9:00	0.3	24.3	6.7	3066
2004	5	39	6	4	218	41	14.02	73	56.4	8/10/2004	11:04	0.3	25.1	7	2607
2004	5	40	6	4	213	41	14.64	73	57.15	8/10/2004	11:27	0.3	26.6	7.3	2663
2004	5	42	4	4	206	41	16.412	73	58.1	8/10/2004	11:50	0.3	27.8	6	2349
2004	5	44	6	4	201	41	17.74	73	56.87	8/10/2004	12:07	0.3	27.2	6.8	1982
2004	5	46	6	4	199	41	19.42	73	58.77	8/10/2004	12:27	0.3	26	6.6	734
2004	5	49	4	4	196	41	21.16	73	57.74	8/10/2004	13:14	0.3	25.7	5.6	362
2004	5	51	6	2	195	41	22.87	73	50.61	8/10/2004	13:33	0.3	27.4	7.3	296
2004	5	52	6	2	193	41	24.12	73	57.31	8/10/2004	13:53	0.3	26.2	6.2	272
2004	5	53	4	2	192	41	24.19	73	57.95	8/10/2004	14:09	0.3	26.1	6.4	278
2004	5	55	6	2	189	41	25.66	73	58.14	8/10/2004	14:26	0.3	26	6.7	268
2004	5	56	4	4	187	41	26.83	74	0.5	8/12/2004	14:59	0.3	26.2	7.8	272
2004	5	57	4	4	185	41	27.68	74	0.73	8/12/2004	14:26	0.3	25.4	7.7	275

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	5	57	4	4	186	41	27.28	74	0.8	8/12/2004	14:40	0.3	26.2	7.8	277
2004	5	58	6	2	182	41	28.2	73	59.12	8/10/2004	14:53	0.3	26.6	8.5	292
2004	5	59	6	2	180	41	29.08	73	59.37	8/10/2004	15:15	0.3	26.2	6.5	301
2004	5	60	6	2	177	41	29.52	73	59.24	8/10/2004	15:22	0.3	25.7	6.3	309
2004	5	62	6	4	172	41	31.54	73	58.97	8/12/2004	13:56	0.3	25.9	7.1	265
2004	5	69	4	2	155	41	37.44	73	57.43	8/12/2004	13:11	0.3	25.3	6.7	270
2004	5	69	6	2	157	41	36.97	73	56.85	8/12/2004	13:28	0.3	26.2	6.5	266
2004	5	72	6	2	152	41	39.77	73	56.55	8/12/2004	12:48	0.3	25.1	6.1	272
2004	5	74	4	2	147	41	41.29	73	56.8	8/12/2004	12:26	0.3	24.7	6.9	268
2004	5	77	6	2	140	41	44.56	73	56.17	8/12/2004	11:56	0.3	24.5	6.6	267
2004	5	77	6	2	143	41	43.83	73	56.16	8/12/2004	12:08	0.3	24.7	6	267
2004	5	80	6	2	137	41	46.14	73	56.82	8/12/2004	11:38	0.3	24.4	6.4	265
2004	5	83	4	2	131	41	49.33	73	57.31	8/12/2004	10:39	0.3	24.3	6.4	266
2004	5	83	4	2	133	41	48.74	73	57.19	8/12/2004	11:11	0.3	24.5	6.5	266
2004	5	86	6	2	125	41	51.75	73	55.89	8/12/2004	10:06	0.3	23.9	6.1	269
2004	5	89	6	2	121	41	53.84	73	57.04	8/12/2004	9:45	0.3	24	6.5	269
2004	5	90	6	2	120	41	54.02	73	57.2	8/12/2004	9:39	0.3	24.2	6.4	268
2004	5	92	4	2	118	41	56.32	73	58.1	8/12/2004	7:40	0.3	23.7	6.3	289
2004	5	93	4	2	116	41	57.05	73	57.77	8/12/2004	7:56	0.3	23.8	5.8	272
2004	5	94	6	2	114	41	58.085	73	56.467	8/12/2004	9:17	0.3	23.7	5.9	269
2004	5	95	6	2	112	41	58.238	73	56.123	8/12/2004	9:00	0.3	23.7	6.7	264
2004	5	96	4	2	105	42	0.22	73	56.65	8/12/2004	8:13	0.3	23.2	6.5	258
2004	5	97	4	2	102	42	0.83	73	56.38	8/12/2004	8:38	0.3	23.2	5.8	263
2004	5	97	4	2	103	42	0.5	73	56.51	8/12/2004	8:25	0.3	22.9	6.5	260
2004	5	98	4	4	100	42	1.67	73	56.54	8/11/2004	16:10	0.3	24.5	7.1	252
2004	5	98	4	4	101	42	1.426	73	56.456	8/11/2004	16:22	0.3	24.6	7.1	251
2004	5	105	4	4	98	42	7.33	73	55.3	8/11/2004	15:37	0.3	24.4	7.4	230
2004	5	106	4	4	96	42	8.147	73	54.796	8/11/2004	15:22	0.3	24.6	7.2	224
2004	5	109	6	4	93	42	9.91	73	52.81	8/11/2004	15:05	0.3	25.6	7.2	226
2004	5	114	4	4	82	42	14.31	73	50.58	8/11/2004	14:06	0.3	25	7.8	214
2004	5	114	4	4	83	42	14.26	73	50.71	8/11/2004	14:18	0.3	25	7.3	215
2004	5	114	6	4	84	42	14.02	73	50.18	8/11/2004	14:42	0.3	25	7.1	214
2004	5	116	6	2	77	42	15.02	73	48.31	8/11/2004	13:44	0.3	24.8	8.2	216
2004	5	119	6	2	69	42	17.29	73	46.78	8/11/2004	13:22	0.3	24.9	7.1	210
2004	5	121	6	2	66	42	19.33	73	46.85	8/11/2004	13:04	0.3	24.9	7.2	210
2004	5	122	6	2	64	42	19.9	73	46.8	8/11/2004	12:48	0.3	24.9	6.8	213
2004	5	124	6	2	56	42	21.49	73	47.29	8/11/2004	12:19	0.3	24.4	6.7	207
2004	5	124	6	2	57	42	21.28	73	47.32	8/11/2004	12:33	0.3	24.3	7.2	210
2004	5	139	4	2	16	42	34.31	73	45.21	8/11/2004	11:19	0.3	25.5	7.2	212
2004	5	139	4	2	18	42	34.14	73	45.24	8/11/2004	11:30	0.3	24.6	7.7	210
2004	5	142	6	2	8	42	36.82	73	45.4	8/11/2004	10:59	0.3	23.8	6.5	212
2004	5	145	6	2	4	42	39.51	73	44.09	8/11/2004	10:12	0.3	23.4	6.8	208
2004	5	145	6	2	5	42	39.19	73	44.41	8/11/2004	10:30	0.3	23.6	6.5	208

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2004	5	148	6	2	3	42	41.41	73	42.584	8/11/2004	9:57	0.3	23.3	6.7	201
2004	5	149	6	2	2	42	42	73	42.07	8/11/2004	9:37	0.3	23.2	7.2	200
2004	6	18	4	2	260	40	56.889	73	55.1	8/23/2004	11:40	0.3	25.3	6.7	6019
2004	6	18	6	2	261	40	56.27	73	54.17	8/23/2004	12:07	0.3	25.6	6.8	6642
2004	6	20	6	2	258	40	57.73	73	53.661	8/23/2004	12:17	0.3	25.9	6.6	4404
2004	6	23	6	2	254	41	1.086	73	52.681	8/23/2004	12:52	0.3	26.1	7	4109
2004	6	23	6	2	255	41	0.74	73	52.83	8/23/2004	12:41	0.3	25.7	6.8	4318
2004	6	24	6	2	252	41	2.057	73	52.505	8/23/2004	13:10	0.3	25.9	8	3842
2004	6	24	6	2	253	41	1.169	73	52.711	8/23/2004	13:00	0.3	25.4	7.6	3839
2004	6	25	4	2	250	41	2.86	73	55.07	8/23/2004	10:53	0.3	25.2	7.9	5397
2004	6	25	4	2	270	41	2.783	73	55.05	8/23/2004	11:07	0.3	24.9	7.8	7716
2004	6	25	6	2	251	41	2.46	73	52.42	8/23/2004	13:29	0.3	25.7	7.1	3235
2004	6	26	4	2	246	41	3.6	73	55.2	8/23/2004	10:33	0.3	24.6	7	5273
2004	6	26	4	2	271	41	3.77	73	55.22	8/23/2004	10:23	0.3	24.6	6.7	5263
2004	6	26	4	2	285	41	3.607	73	55.196	8/23/2004	10:40	0.3	24.9	7.1	5320
2004	6	26	6	2	247	41	3.891	73	52.077	8/23/2004	14:10	0.3	26	7.1	3648
2004	6	26	6	2	248	41	3.273	73	52.221	8/23/2004	13:54	0.3	25.9	7.4	3703
2004	6	26	6	2	249	41	2.67	73	52.3	8/23/2004	13:42	0.3	25.9	7.1	3436
2004	6	27	4	2	245	41	4.19	73	55.21	8/23/2004	10:06	0.3	24.1	6.6	4618
2004	6	27	4	2	272	41	4.49	73	55.14	8/23/2004	9:50	0.3	24.5	7	4083
2004	6	28	6	2	243	41	5.683	73	52.214	8/23/2004	14:29	0.3	26.2	7.6	2835
2004	6	28	6	2	244	41	5.33	73	52.33	8/23/2004	14:22	0.3	25.9	7.7	2862
2004	6	29	4	2	242	41	6.1	73	54.88	8/23/2004	9:31	0.3	24	8	3452
2004	6	30	4	2	241	41	7.14	73	54.77	8/23/2004	9:19	0.3	24	8.4	3354
2004	6	31	4	2	283	41	8.34	73	54.4	8/23/2004	9:00	0.3	24.8	6.6	2648
2004	6	32	4	2	239	41	8.81	73	54.6	8/23/2004	8:30	0.3	24.5	6.9	2586
2004	6	32	4	2	240	41	8.48	73	54.42	8/23/2004	8:45	0.3	24.6	6.9	2583
2004	6	32	6	2	237	41	9.274	73	52.181	8/23/2004	15:04	0.3	26.3	6.8	1964
2004	6	32	6	2	238	41	8.85	73	52.123	8/23/2004	14:50	0.3	26.4	8	1997
2004	6	32	6	2	269	41	9.445	73	52.243	8/23/2004	15:20	0.3	26.4	7	2130
2004	6	33	6	2	236	41	9.79	73	52.202	8/23/2004	15:38	0.3	26.6	7	2080
2004	6	34	6	2	235	41	10.632	73	52.59	8/23/2004	16:19	0.3	29.7	6	463
2004	6	34	6	2	233	41	10.662	73	53.922	8/25/2004	17:11	0.3	27.1	7.5	1259
2004	6	34	6	2	234	41	10.19	73	53.93	8/25/2004	17:18	0.3	27.5	7.6	1262
2004	6	35	4	2	229	41	10.59	73	56.41	8/25/2004	17:35	0.3	26.5	7	463
2004	6	35	4	2	230	41	10.59	73	56.39	8/25/2004	17:31	0.3	25.9	6.5	467
2004	6	35	4	2	277	41	10.95	73	57.06	8/25/2004	17:44	0.3	26.3	7.5	526
2004	6	35	6	2	231	41	11.23	73	53.69	8/25/2004	16:37	0.3	28	7.9	1310
2004	6	35	6	2	232	41	11.172	73	53.996	8/25/2004	16:51	0.3	26.1	7.9	1265
2004	6	35	6	2	275	41	11.31	73	53.54	8/25/2004	16:32	0.3	27.9	7.9	1305
2004	6	36	4	2	227	41	11.02	73	57.41	8/25/2004	17:53	0.3	26.6	7.5	517
2004	6	36	4	2	281	41	11.13	73	57.16	8/25/2004	17:58	0.3	26.4	7.9	584
2004	6	36	4	2	282	41	11.2	73	57.17	8/25/2004	18:29	0.3	26	7.9	625

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2004	6	36	6	2	228	41	12.25	73	53.5	8/25/2004	15:56	0.3	28.3	8	1079
2004	6	36	6	2	276	41	12.17	73	53.51	8/25/2004	16:14	0.3	27.9	7.9	1085
2004	6	39	6	2	218	41	14.02	73	56.4	8/25/2004	15:35	0.3	27.5	7.9	480
2004	6	40	6	2	211	41	14.88	73	57.6	8/25/2004	15:10	0.3	27.7	8	479
2004	6	41	6	2	208	41	15.72	73	50.84	8/25/2004	15:00	0.3	26.1	5.8	354
2004	6	42	4	4	206	41	16.412	73	58.1	8/25/2004	14:35	0.3	25.9	6.5	347
2004	6	43	6	4	205	41	16.413	73	56.551	8/25/2004	14:04	0.3	26.2	8	465
2004	6	49	4	4	196	41	21.16	73	57.74	8/25/2004	13:37	0.3	24.7	5.7	300
2004	6	52	6	4	194	41	24.12	73	56.81	8/25/2004	13:18	0.3	24.5	6.3	301
2004	6	53	4	4	192	41	24.19	73	57.95	8/25/2004	13:00	0.3	24.5	6.1	308
2004	6	53	6	4	191	41	24.882	73	57.554	8/25/2004	12:46	0.3	24.6	6.1	297
2004	6	55	6	4	189	41	25.66	73	58.14	8/25/2004	12:28	0.3	24.4	6.3	296
2004	6	58	6	4	182	41	28.2	73	59.12	8/25/2004	12:05	0.3	23.8	7.2	315
2004	6	59	6	4	178	41	29.25	73	59.32	8/25/2004	11:34	0.3	23.7	5.6	318
2004	6	59	6	4	179	41	29.24	73	59.34	8/25/2004	11:45	0.3	23.5	5.4	332
2004	6	59	6	4	180	41	29.08	73	59.37	8/25/2004	11:56	0.3	23.8	5.6	328
2004	6	60	6	4	177	41	29.52	73	59.24	8/25/2004	11:18	0.3	23.9	5.4	319
2004	6	61	4	4	174	41	31.15	74	0.37	8/25/2004	10:57	0.3	24.2	6.3	277
2004	6	62	4	4	171	41	32.19	73	59.91	8/25/2004	10:45	0.3	24	7	264
2004	6	63	6	2	168	41	32.3	73	58.633	8/25/2004	10:35	0.3	24.1	6.7	292
2004	6	64	4	2	163	41	33.48	73	59.05	8/25/2004	10:00	0.3	24.1	5.7	261
2004	6	64	4	2	164	41	33.37	73	59.18	8/25/2004	10:17	0.3	24.1	5.7	260
2004	6	69	4	2	155	41	37.44	73	57.43	8/25/2004	9:33	0.3	23.6	5.4	247
2004	6	77	6	2	142	41	43.92	73	56.14	8/25/2004	9:04	0.3	23.2	6.1	258
2004	6	80	6	2	137	41	46.14	73	56.82	8/25/2004	8:36	0.3	23.1	5.2	261
2004	6	81	4	2	135	41	47.474	73	57.457	8/25/2004	8:00	0.3	22	5.5	268
2004	6	83	4	2	131	41	49.33	73	57.31	8/25/2004	7:39	0.3	22.4	5.5	269
2004	6	84	4	2	129	41	50.61	73	57.28	8/25/2004	7:06	0.3	22.5	5.7	267
2004	6	87	4	2	123	41	52.616	73	57.292	8/24/2004	18:35	0.3	23	6.9	268
2004	6	89	6	2	121	41	53.84	73	57.04	8/24/2004	17:50	0.3	22.9	7	260
2004	6	90	6	2	120	41	54.02	73	57.2	8/24/2004	17:25	0.3	22.9	6.8	268
2004	6	93	4	2	116	41	57.05	73	57.77	8/24/2004	16:49	0.3	22.9	7.7	262
2004	6	93	6	2	117	41	57.036	73	56.721	8/24/2004	17:06	0.3	25.1	8.1	262
2004	6	94	4	2	113	41	58.38	73	57.25	8/24/2004	16:33	0.3	22.6	7.8	263
2004	6	96	4	2	105	42	0.22	73	56.65	8/24/2004	16:02	0.3	26.2	8	253
2004	6	96	4	2	110	41	59.4	73	56.94	8/24/2004	16:18	0.3	22.6	8	265
2004	6	97	4	2	103	42	0.5	73	56.51	8/24/2004	15:53	0.3	26.2	8	260
2004	6	98	4	4	100	42	1.67	73	56.54	8/24/2004	15:10	0.3	23.9	8	262
2004	6	98	4	4	101	42	1.426	73	56.456	8/24/2004	15:28	0.3	23.6	8	261
2004	6	99	6	4	99	42	2.02	73	55.73	8/24/2004	14:43	0.3	23.5	7.1	247
2004	6	105	4	4	97	42	7.68	73	55.13	8/24/2004	14:16	0.3	23.8	8	284
2004	6	105	4	4	98	42	7.33	73	55.3	8/24/2004	14:33	0.3	23.5	7.1	273
2004	6	114	4	4	82	42	14.31	73	50.58	8/24/2004	13:23	0.3	23.8	8	258

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2004	6	114	4	4	83	42	14.26	73	50.71	8/24/2004	13:44	0.3	23.4	8.3	257
2004	6	116	6	4	77	42	15.02	73	48.31	8/24/2004	12:51	0.3	22.8	8	254
2004	6	119	4	4	70	42	17.317	73	47.373	8/24/2004	12:35	0.3	22.3	8	262
2004	6	119	6	4	69	42	17.29	73	46.78	8/24/2004	12:10	0.3	22.1	8.3	262
2004	6	121	6	4	66	42	19.33	73	46.85	8/24/2004	12:02	0.3	21.1	7.5	259
2004	6	122	6	4	62	42	20.105	73	46.848	8/24/2004	11:33	0.3	21.1	7.4	264
2004	6	122	6	4	64	42	19.9	73	46.8	8/24/2004	11:40	0.3	21.1	7.5	264
2004	6	124	4	2	55	42	21.64	73	47.62	8/24/2004	11:03	0.3	21.3	8.2	271
2004	6	124	6	2	56	42	21.49	73	47.29	8/24/2004	11:16	0.3	21.4	8.1	269
2004	6	125	6	2	54	42	22.034	73	47.302	8/24/2004	10:47	0.3	20.7	7.8	268
2004	6	126	4	2	48	42	23.65	73	47.38	8/24/2004	10:17	0.3	20.8	8	271
2004	6	128	4	2	44	42	25	73	46.99	8/24/2004	9:56	0.3	20.9	8.1	269
2004	6	128	6	2	43	42	25.02	73	46.62	8/24/2004	9:40	0.3	20.1	7.4	274
2004	6	129	6	2	42	42	25.226	73	46.523	8/24/2004	9:23	0.3	20.3	7.7	272
2004	6	131	4	2	33	42	28.06	73	47.13	8/24/2004	9:02	0.3	20.9	8.1	258
2004	6	132	4	2	32	42	28.13	73	47.21	8/24/2004	8:30	0.3	21.2	8.3	260
2004	7	19	6	4	259	40	57.735	73	53.561	9/10/2004	12:15	0.3	24.9	7.3	5190
2004	7	21	6	4	257	40	59.13	73	53.13	9/10/2004	12:40	0.3	25	7.4	5080
2004	7	22	6	4	256	40	59.97	73	53.05	9/10/2004	12:52	0.3	25	7.1	4991
2004	7	23	6	4	254	41	1.086	73	52.681	9/10/2004	13:14	0.3	24.8	7.2	4636
2004	7	23	6	4	255	41	0.74	73	52.83	9/10/2004	13:04	0.3	24.8	7.3	4683
2004	7	24	6	4	252	41	2.057	73	52.505	9/10/2004	13:45	0.3	25.5	7.5	4700
2004	7	24	6	4	253	41	1.169	73	52.711	9/10/2004	13:28	0.3	25.5	7.3	4720
2004	7	25	4	4	250	41	2.86	73	55.07	9/10/2004	11:41	0.3	24.1	6.6	4931
2004	7	25	4	4	270	41	2.783	73	55.05	9/10/2004	11:59	0.3	24.6	6.5	5273
2004	7	25	6	4	251	41	2.46	73	52.42	9/10/2004	13:59	0.3	25.1	7.3	4970
2004	7	26	4	4	246	41	3.6	73	55.2	9/10/2004	11:23	0.3	24.1	7.3	5165
2004	7	26	4	4	271	41	3.77	73	55.22	9/10/2004	11:11	0.3	23.7	6.7	4932
2004	7	26	4	4	285	41	3.607	73	55.196	9/10/2004	11:32	0.3	24.2	6.8	5124
2004	7	26	6	4	247	41	3.891	73	52.077	9/10/2004	14:38	0.3	25	7	5040
2004	7	26	6	4	248	41	3.273	73	52.221	9/10/2004	14:19	0.3	24.7	6.8	4635
2004	7	26	6	4	249	41	2.67	73	52.3	9/10/2004	14:11	0.3	24.7	6.9	4385
2004	7	27	4	4	245	41	4.19	73	55.21	9/10/2004	10:55	0.3	24.5	5.3	5424
2004	7	27	4	4	272	41	4.49	73	55.14	9/10/2004	10:46	0.3	24.5	5.3	5314
2004	7	28	6	4	244	41	5.33	73	52.33	9/10/2004	15:50	0.3	23.9	6.4	5044
2004	7	29	4	4	242	41	6.1	73	54.88	9/10/2004	10:37	0.3	24.1	6.5	4769
2004	7	30	4	4	241	41	7.14	73	54.77	9/10/2004	10:27	0.3	24.1	6.5	4695
2004	7	31	4	4	283	41	8.34	73	54.4	9/10/2004	10:00	0.3	23.3	6.4	4467
2004	7	32	4	4	239	41	8.81	73	54.6	9/10/2004	9:00	0.3	23.9	6.4	4076
2004	7	32	4	4	240	41	8.48	73	54.42	9/10/2004	9:20	0.3	23.9	6.2	4432
2004	7	32	4	2	239	41	8.81	73	54.6	9/11/2004	10:35	0.3	23.9	6.9	4076
2004	7	32	6	2	237	41	9.274	73	52.181	9/11/2004	9:52	0.3	23.4	6.6	4136
2004	7	32	6	2	238	41	8.85	73	52.123	9/11/2004	10:13	0.3	23.8	6.6	4115

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2004	7	32	6	2	269	41	9.445	73	52.243	9/11/2004	9:35	0.3	23.8	6.3	4122
2004	7	33	6	2	236	41	9.79	73	52.202	9/11/2004	9:25	0.3	23.7	6.3	4044
2004	7	34	6	2	233	41	10.662	73	53.922	9/8/2004	16:10	0.3	23.5	7	475
2004	7	35	4	2	229	41	10.59	73	56.41	9/8/2004	15:56	0.3	22.8	7	1240
2004	7	35	4	2	230	41	10.59	73	56.39	9/8/2004	16:01	0.3	24.1	7	1659
2004	7	35	4	2	277	41	10.95	73	57.06	9/8/2004	15:49	0.3	24.2	7.7	1622
2004	7	35	6	2	231	41	11.23	73	53.69	9/8/2004	16:42	0.3	23.6	7	385
2004	7	35	6	2	232	41	11.172	73	53.996	9/8/2004	16:25	0.3	23.9	7	477
2004	7	35	6	2	275	41	11.31	73	53.54	9/8/2004	16:59	0.3	23.7	7	386
2004	7	36	4	2	227	41	11.02	73	57.41	9/8/2004	15:37	0.3	23.8	7	980
2004	7	36	4	2	281	41	11.13	73	57.16	9/8/2004	15:27	0.3	23.8	7	985
2004	7	36	4	2	282	41	11.2	73	57.17	9/8/2004	15:15	0.3	23.8	7	980
2004	7	38	4	2	223	41	12.89	73	57.806	9/8/2004	15:02	0.3	23.7	7.5	1676
2004	7	38	4	2	278	41	12.96	73	57.828	9/8/2004	14:55	0.3	23.6	6.9	1538
2004	7	38	4	2	279	41	13.36	73	57.82	9/8/2004	14:48	0.3	23.6	6.9	1338
2004	7	38	4	2	280	41	13.4	73	57.81	9/8/2004	14:40	0.3	23.6	7	1333
2004	7	39	6	2	218	41	14.02	73	56.4	9/8/2004	14:26	0.3	23.6	7.9	1432
2004	7	40	6	2	210	41	14.87	73	57.74	9/8/2004	14:12	0.3	26	6.5	2328
2004	7	41	6	2	208	41	15.72	73	50.84	9/8/2004	14:06	0.3	26.4	7	2358
2004	7	43	6	4	203	41	16.91	73	56.26	9/8/2004	13:04	0.3	24.2	7.6	1875
2004	7	44	6	2	201	41	17.74	73	56.87	9/8/2004	13:45	0.3	24	7	1525
2004	7	49	4	2	196	41	21.16	73	57.74	9/8/2004	13:21	0.3	24	8	264
2004	7	52	6	2	193	41	24.12	73	57.31	9/8/2004	13:07	0.3	23.1	8	271
2004	7	53	4	4	192	41	24.19	73	57.95	9/8/2004	12:57	0.3	23.1	8	271
2004	7	53	6	4	191	41	24.882	73	57.554	9/8/2004	12:40	0.3	23.1	7.9	269
2004	7	55	6	4	189	41	25.66	73	58.14	9/8/2004	12:20	0.3	23.5	8	268
2004	7	56	4	4	188	41	26.47	73	59.66	9/8/2004	12:01	0.3	23.5	7.9	270
2004	7	59	6	4	178	41	29.25	73	59.32	9/8/2004	11:35	0.3	22.8	7	343
2004	7	59	6	4	179	41	29.24	73	59.34	9/8/2004	11:45	0.3	23.1	7.8	342
2004	7	60	6	4	176	41	29.57	73	59.06	9/8/2004	11:06	0.3	23.1	8	346
2004	7	60	6	4	177	41	29.52	73	59.24	9/8/2004	11:21	0.3	23	8	348
2004	7	61	4	4	174	41	31.15	74	0.37	9/8/2004	10:44	0.3	23.7	7.9	279
2004	7	64	4	4	164	41	33.37	73	59.18	9/8/2004	10:20	0.3	23.3	7.8	269
2004	7	69	4	4	155	41	37.44	73	57.43	9/8/2004	9:47	0.3	21.7	7.8	257
2004	7	69	6	4	156	41	37.03	73	56.88	9/8/2004	9:57	0.3	23.3	7.8	257
2004	7	72	6	2	152	41	39.77	73	56.55	9/8/2004	9:22	0.3	23.3	7.8	257
2004	7	74	6	2	148	41	41.15	73	56.31	9/8/2004	9:11	0.3	22.9	7.8	255
2004	7	77	6	2	140	41	44.56	73	56.17	9/8/2004	8:35	0.3	22.2	6.3	254
2004	7	77	6	2	143	41	43.83	73	56.16	9/8/2004	8:51	0.3	22.4	7.9	252
2004	7	80	6	2	137	41	46.14	73	56.82	9/8/2004	8:15	0.3	22.8	8	250
2004	7	82	4	2	134	41	48.51	73	57.22	9/8/2004	7:55	0.3	23.1	7.6	244
2004	7	83	4	2	133	41	48.74	73	57.19	9/8/2004	7:45	0.3	23.1	7.7	244
2004	7	86	6	2	125	41	51.75	73	55.89	9/8/2004	7:28	0.3	22.4	8	249

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2004	7	89	6	2	121	41	53.84	73	57.04	9/8/2004	7:11	0.3	22.5	7.5	236
2004	7	90	6	2	120	41	54.02	73	57.2	9/8/2004	7:00	0.3	22.8	7.5	238
2004	7	92	4	2	118	41	56.32	73	58.1	9/7/2004	17:48	0.3	24.3	8	273
2004	7	93	4	2	116	41	57.05	73	57.77	9/7/2004	17:36	0.3	24.4	7.8	252
2004	7	94	4	2	115	41	57.78	73	57.47	9/7/2004	17:17	0.3	23.3	7.8	228
2004	7	96	4	2	110	41	59.4	73	56.94	9/7/2004	17:02	0.3	23.3	7.8	230
2004	7	97	4	2	102	42	0.83	73	56.38	9/7/2004	16:28	0.3	24.6	7.9	224
2004	7	97	4	2	103	42	0.5	73	56.51	9/7/2004	16:45	0.3	26	7.8	229
2004	7	98	4	4	100	42	1.67	73	56.54	9/7/2004	15:59	0.3	23.9	8	230
2004	7	98	4	2	101	42	1.426	73	56.456	9/7/2004	16:15	0.3	23.5	7.8	234
2004	7	99	6	4	99	42	2.02	73	55.73	9/7/2004	15:52	0.3	23.9	8	216
2004	7	105	4	4	97	42	7.68	73	55.13	9/7/2004	15:14	0.3	24.7	8	247
2004	7	106	4	4	96	42	8.147	73	54.796	9/7/2004	14:57	0.3	24.1	7.8	266
2004	7	114	4	4	81	42	14.39	73	50.549	9/7/2004	14:12	0.3	24.6	8	245
2004	7	114	4	4	82	42	14.31	73	50.58	9/7/2004	14:29	0.3	23.6	8	246
2004	7	115	6	4	79	42	14.8	73	49	9/7/2004	13:56	0.3	23.7	8	246
2004	7	117	4	4	76	42	15.84	73	47.69	9/7/2004	13:33	0.3	23.8	7	240
2004	7	119	6	4	72	42	16.82	73	47.28	9/7/2004	13:14	0.3	23.2	7.4	209
2004	7	121	4	4	68	42	18.53	73	47.1	9/7/2004	13:00	0.3	23.2	7.3	224
2004	7	122	6	4	62	42	20.105	73	46.848	9/7/2004	12:15	0.3	23.4	7.3	221
2004	7	122	6	4	64	42	19.9	73	46.8	9/7/2004	12:40	0.3	23.3	7.5	221
2004	7	124	6	4	56	42	21.49	73	47.29	9/7/2004	11:50	0.3	23.1	7.2	212
2004	7	124	6	4	57	42	21.28	73	47.32	9/7/2004	12:01	0.3	22.9	7.5	212
2004	7	125	6	4	52	42	22.39	73	47.45	9/7/2004	11:21	0.3	23.9	8.3	211
2004	7	131	4	2	33	42	28.06	73	47.13	9/7/2004	10:55	0.3	22.7	7.3	211
2004	7	139	4	2	19	42	34.03	73	45.26	9/7/2004	10:29	0.3	22.2	7.5	203
2004	7	142	6	2	8	42	36.82	73	45.4	9/7/2004	10:06	0.3	22	7.4	191
2004	7	145	6	2	4	42	39.51	73	44.09	9/7/2004	9:36	0.3	21.4	7.5	185
2004	7	146	6	2	5	42	39.19	73	44.41	9/7/2004	9:48	0.3	21.4	7.5	185
2004	7	149	6	2	2	42	42	73	42.07	9/7/2004	9:14	0.3	21.6	8.3	168
2004	8	18	4	2	260	40	56.889	73	55.1	9/20/2004	10:28	0.3	19.3	7.9	2033
2004	8	18	6	2	261	40	56.27	73	54.17	9/20/2004	10:39	0.3	21.3	6.9	2510
2004	8	20	6	2	258	40	57.73	73	53.661	9/20/2004	10:49	0.3	21.2	7.2	1098
2004	8	22	6	2	256	40	59.97	73	53.05	9/20/2004	11:14	0.3	21.2	7.3	1124
2004	8	23	6	2	255	41	0.74	73	52.83	9/20/2004	11:30	0.3	21	7.4	949
2004	8	24	6	2	252	41	2.057	73	52.505	9/20/2004	11:53	0.3	21.2	7.1	917
2004	8	24	6	2	253	41	1.169	73	52.711	9/20/2004	11:45	0.3	20.7	7.5	963
2004	8	25	4	4	250	41	2.86	73	55.07	9/20/2004	9:46	0.3	19	7.9	1202
2004	8	25	4	4	270	41	2.783	73	55.05	9/20/2004	10:06	0.3	19.4	7.8	1246
2004	8	25	6	2	251	41	2.46	73	52.42	9/20/2004	12:05	0.3	22	7.2	689
2004	8	26	4	4	246	41	3.6	73	55.2	9/20/2004	9:36	0.3	18.9	8.1	1174
2004	8	26	4	4	271	41	3.77	73	55.22	9/20/2004	9:28	0.3	19.5	7.9	954
2004	8	26	4	4	285	41	3.607	73	55.196	9/20/2004	9:43	0.3	19.2	8.1	1143

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2004	8	26	6	2	247	41	3.891	73	52.077	9/20/2004	12:33	0.3	21.1	7.4	528
2004	8	26	6	2	248	41	3.273	73	52.221	9/20/2004	12:23	0.3	21.2	7.4	698
2004	8	26	6	2	249	41	2.67	73	52.3	9/20/2004	12:13	0.3	21.3	7.5	741
2004	8	27	4	4	245	41	4.19	73	55.21	9/20/2004	9:10	0.3	19.3	7.9	596
2004	8	27	4	4	272	41	4.49	73	55.14	9/20/2004	9:03	0.3	19	7.9	592
2004	8	28	6	2	243	41	5.683	73	52.214	9/20/2004	12:59	0.3	21.3	7.5	645
2004	8	28	6	2	244	41	5.33	73	52.33	9/20/2004	12:49	0.3	21.3	7.5	687
2004	8	29	4	4	242	41	6.1	73	54.88	9/20/2004	8:50	0.3	19.2	7.9	515
2004	8	30	4	4	241	41	7.14	73	54.77	9/20/2004	8:38	0.3	19.1	7.7	520
2004	8	31	4	4	283	41	8.34	73	54.4	9/20/2004	8:20	0.3	19.9	8	414
2004	8	32	4	4	239	41	8.81	73	54.6	9/20/2004	7:50	0.3	19.5	8.1	438
2004	8	32	4	4	240	41	8.48	73	54.42	9/20/2004	7:59	0.3	19.9	8	425
2004	8	32	6	2	237	41	9.274	73	52.181	9/20/2004	13:36	0.3	21.6	7.8	494
2004	8	32	6	2	238	41	8.85	73	52.123	9/20/2004	13:22	0.3	21.5	7.7	495
2004	8	32	6	2	269	41	9.445	73	52.243	9/20/2004	14:05	0.3	21.5	7.8	528
2004	8	33	6	2	236	41	9.79	73	52.202	9/20/2004	14:16	0.3	21.5	7.8	528
2004	8	34	6	2	234	41	10.19	73	53.93	9/20/2004	14:41	0.3	21.5	7.5	482
2004	8	34	6	2	235	41	10.632	73	52.59	9/20/2004	14:25	0.3	21.4	8.4	341
2004	8	35	4	2	229	41	10.59	73	56.41	9/22/2004	15:41	0.3	21.9	7.2	271
2004	8	35	4	2	230	41	10.59	73	56.39	9/22/2004	15:50	0.3	22.4	7.4	267
2004	8	35	4	2	277	41	10.95	73	57.06	9/22/2004	15:31	0.3	23.1	7.9	295
2004	8	35	6	2	231	41	11.23	73	53.69	9/20/2004	15:03	0.3	21.5	7.8	860
2004	8	35	6	2	232	41	11.172	73	53.996	9/20/2004	14:56	0.3	21.3	7.5	855
2004	8	35	6	2	275	41	11.31	73	53.54	9/20/2004	15:10	0.3	21.5	7.7	848
2004	8	36	4	2	227	41	11.02	73	57.41	9/22/2004	15:24	0.3	23	7.7	294
2004	8	36	4	2	281	41	11.13	73	57.16	9/22/2004	15:20	0.3	23.7	8	328
2004	8	36	4	2	282	41	11.2	73	57.17	9/22/2004	15:10	0.3	23.8	8.1	330
2004	8	36	6	2	228	41	12.25	73	53.5	9/20/2004	15:49	0.3	21.5	7.2	574
2004	8	36	6	2	276	41	12.17	73	53.51	9/20/2004	15:19	0.3	21.4	7.2	572
2004	8	37	4	2	225	41	12.096	73	57.458	9/22/2004	15:01	0.3	23	6.9	277
2004	8	40	6	2	210	41	14.87	73	57.74	9/22/2004	14:39	0.3	22.6	7.2	241
2004	8	41	6	2	208	41	15.72	73	50.84	9/22/2004	14:22	0.3	22.4	6.9	242
2004	8	43	6	2	203	41	16.91	73	56.26	9/22/2004	13:58	0.3	22.5	7.6	249
2004	8	43	6	2	205	41	16.413	73	56.551	9/22/2004	14:07	0.3	21.2	7	231
2004	8	44	6	2	201	41	17.74	73	56.87	9/22/2004	13:40	0.3	23	7	248
2004	8	49	4	4	196	41	21.16	73	57.74	9/22/2004	13:16	0.3	20.9	6.5	221
2004	8	52	6	4	193	41	24.12	73	57.31	9/22/2004	12:50	0.3	20.8	6.7	223
2004	8	52	6	4	194	41	24.12	73	56.81	9/22/2004	13:00	0.3	20.8	6.8	226
2004	8	53	6	4	191	41	24.882	73	57.554	9/22/2004	12:21	0.3	20.8	7.4	220
2004	8	55	6	4	189	41	25.66	73	58.14	9/22/2004	12:10	0.3	20.8	7.1	220
2004	8	56	4	4	188	41	26.47	73	59.66	9/22/2004	11:52	0.3	20.9	7.2	218
2004	8	57	4	4	186	41	27.28	74	0.8	9/22/2004	11:35	0.3	20.5	7.9	229
2004	8	58	4	4	184	41	27.78	74	0.7	9/22/2004	11:24	0.3	20.8	7.4	233

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	8	59	6	4	178	41	29.25	73	59.32	9/22/2004	11:11	0.3	19.1	7.2	257
2004	8	60	6	4	177	41	29.52	73	59.24	9/22/2004	10:59	0.3	19	7.2	257
2004	8	61	4	4	174	41	31.15	74	0.37	9/22/2004	10:37	0.3	20.2	7.2	255
2004	8	64	4	4	163	41	33.48	73	59.05	9/22/2004	10:18	0.3	19.3	7.3	232
2004	8	69	4	2	155	41	37.44	73	57.43	9/22/2004	9:45	0.3	18.6	7.2	212
2004	8	69	6	2	157	41	36.97	73	56.85	9/22/2004	10:01	0.3	18.9	6.7	213
2004	8	72	6	2	152	41	39.77	73	56.55	9/22/2004	9:12	0.3	18.5	7	208
2004	8	74	4	2	147	41	41.29	73	56.8	9/22/2004	8:56	0.3	17.9	7.3	187
2004	8	77	6	2	142	41	43.92	73	56.14	9/22/2004	8:15	0.3	17.5	6.2	184
2004	8	77	6	2	143	41	43.83	73	56.16	9/22/2004	8:32	0.3	17.6	6.6	184
2004	8	80	6	2	137	41	46.14	73	56.82	9/22/2004	7:54	0.3	17.6	5.8	180
2004	8	83	4	2	131	41	49.33	73	57.31	9/22/2004	7:30	0.3	17.3	6.3	179
2004	8	84	4	2	129	41	50.61	73	57.28	9/22/2004	7:09	0.3	17.4	6.6	178
2004	8	88	6	2	122	41	53.023	73	56.214	9/21/2004	17:22	0.3	20	7.5	196
2004	8	89	6	2	121	41	53.84	73	57.04	9/21/2004	16:51	0.3	18.4	6.7	181
2004	8	90	6	2	120	41	54.02	73	57.2	9/21/2004	16:37	0.3	18.4	6.6	182
2004	8	92	4	2	118	41	56.32	73	58.1	9/21/2004	15:59	0.3	20.2	7.4	267
2004	8	93	4	2	116	41	57.05	73	57.77	9/21/2004	15:59	0.3	18.3	7.3	179
2004	8	94	4	2	113	41	58.38	73	57.25	9/21/2004	15:44	0.3	18	7	196
2004	8	96	4	2	105	42	0.22	73	56.65	9/21/2004	15:12	0.3	20.9	7.7	202
2004	8	96	4	2	110	41	59.4	73	56.94	9/21/2004	15:30	0.3	18.1	6.8	193
2004	8	97	4	2	102	42	0.83	73	56.38	9/21/2004	14:50	0.3	19.3	7.3	187
2004	8	97	4	2	103	42	0.5	73	56.51	9/21/2004	15:05	0.3	20.4	7.6	194
2004	8	98	4	2	100	42	1.67	73	56.54	9/21/2004	14:30	0.3	18.5	6.3	205
2004	8	98	4	2	101	42	1.426	73	56.456	9/21/2004	14:40	0.3	18.5	6.9	205
2004	8	99	6	2	99	42	2.02	73	55.73	9/21/2004	14:13	0.3	19.1	7.8	201
2004	8	105	4	4	98	42	7.33	73	55.3	9/21/2004	13:42	0.3	19.1	7.5	224
2004	8	109	6	4	92	42	10.27	73	52.32	9/21/2004	13:21	0.3	16.2	8.2	244
2004	8	114	4	4	82	42	14.31	73	50.58	9/21/2004	12:18	0.3	18.5	8.3	227
2004	8	114	4	4	83	42	14.26	73	50.71	9/21/2004	12:37	0.3	18.3	7.7	226
2004	8	114	6	4	85	42	13.54	73	50.75	9/21/2004	12:48	0.3	18	7.1	230
2004	8	115	6	4	79	42	14.8	73	49	9/21/2004	12:07	0.3	17.4	7.4	229
2004	8	116	6	4	77	42	15.02	73	48.31	9/21/2004	11:45	0.3	17.3	7.4	223
2004	8	119	6	4	69	42	17.29	73	46.78	9/21/2004	11:30	0.3	17	8	212
2004	8	121	6	4	67	42	18.82	73	46.89	9/21/2004	11:14	0.3	17.1	8.1	216
2004	8	122	6	4	62	42	20.105	73	46.848	9/21/2004	11:04	0.3	16.9	7.4	220
2004	8	124	6	4	56	42	21.49	73	47.29	9/21/2004	10:50	0.3	17	7.6	212
2004	8	127	4	4	46	42	24.35	73	47.08	9/21/2004	10:31	0.3	17	7.7	207
2004	8	128	4	4	44	42	25	73	46.99	9/21/2004	10:14	0.3	16.7	7.7	208
2004	8	129	6	4	39	42	25.879	73	46.76	9/21/2004	10:00	0.3	16.5	7.5	194
2004	8	131	4	4	33	42	28.06	73	47.13	9/21/2004	9:28	0.3	16.6	7.4	202
2004	8	134	4	2	28	42	30.027	73	46.913	9/21/2004	9:05	0.3	16.2	8	194
2004	8	135	4	2	26	42	30.91	73	46.27	9/21/2004	8:55	0.3	16.2	7.4	224

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	8	137	6	2	24	42	32.262	73	45.288	9/21/2004	8:20	0.3	16.1	8.4	197
2004	9	16	4	2	262	40	54.9	73	55.7	10/4/2004	13:01	0.3	20.3	7.4	1984
2004	9	19	6	2	259	40	57.735	73	53.561	10/4/2004	13:25	0.3	20.4	7.8	1354
2004	9	20	6	2	258	40	57.73	73	53.661	10/4/2004	13:42	0.3	20.3	7.1	1645
2004	9	21	6	2	257	40	59.13	73	53.13	10/4/2004	14:04	0.3	20.6	7.2	1630
2004	9	23	6	2	255	41	0.74	73	52.83	10/4/2004	14:19	0.3	20.4	7.3	1293
2004	9	24	6	2	252	41	2.057	73	52.505	10/4/2004	14:50	0.3	20.4	7.3	1018
2004	9	24	6	2	253	41	1.169	73	52.711	10/4/2004	14:39	0.3	20.4	7.7	1003
2004	9	25	4	2	250	41	2.86	73	55.07	10/4/2004	11:57	0.3	19.2	7.9	660
2004	9	25	4	2	270	41	2.783	73	55.05	10/4/2004	12:25	0.3	19.2	7.5	689
2004	9	25	6	2	251	41	2.46	73	52.42	10/4/2004	15:04	0.3	20.4	7.4	1008
2004	9	26	4	2	246	41	3.6	73	55.2	10/4/2004	11:30	0.3	19.3	7.7	652
2004	9	26	4	2	271	41	3.77	73	55.22	10/4/2004	11:13	0.3	19	8	639
2004	9	26	4	2	285	41	3.607	73	55.196	10/4/2004	11:45	0.3	19.1	7.6	656
2004	9	26	6	2	249	41	2.67	73	52.3	10/4/2004	15:19	0.3	20.7	7.7	729
2004	9	26	6	4	247	41	3.891	73	52.077	10/7/2004	7:51	0.3	16.8	7.4	1159
2004	9	26	6	4	248	41	3.273	73	52.221	10/7/2004	7:41	0.3	16.6	7.2	1134
2004	9	27	4	2	245	41	4.19	73	55.21	10/4/2004	10:55	0.3	18.9	7.7	678
2004	9	27	4	2	272	41	4.49	73	55.14	10/4/2004	10:35	0.3	19.6	6.7	538
2004	9	28	6	4	243	41	5.683	73	52.214	10/7/2004	8:22	0.3	17	6.5	1092
2004	9	28	6	4	244	41	5.33	73	52.33	10/7/2004	8:06	0.3	16.9	7.3	1090
2004	9	29	4	1	242	41	6.1	73	54.88	10/4/2004	10:20	0.3	18.7	7.7	517
2004	9	30	4	1	241	41	7.14	73	54.77	10/4/2004	10:05	0.3	19.3	7.3	321
2004	9	31	4	1	283	41	8.34	73	54.4	10/4/2004	9:46	0.3	19.2	6.8	329
2004	9	32	4	1	239	41	8.81	73	54.6	10/4/2004	9:20	0.3	19	7.6	312
2004	9	32	4	1	240	41	8.48	73	54.42	10/4/2004	9:30	0.3	19.3	7	288
2004	9	32	6	4	237	41	9.274	73	52.181	10/7/2004	8:52	0.3	17.5	6.9	569
2004	9	32	6	4	238	41	8.85	73	52.123	10/7/2004	8:33	0.3	16.8	7.3	569
2004	9	32	6	4	269	41	9.445	73	52.243	10/7/2004	9:04	0.3	17.8	6.9	620
2004	9	33	6	4	236	41	9.79	73	52.202	10/7/2004	9:12	0.3	16.6	6.4	522
2004	9	34	6	2	233	41	10.662	73	53.922	10/6/2004	16:51	0.3	18.1	6.9	235
2004	9	34	6	2	234	41	10.19	73	53.93	10/6/2004	17:10	0.3	18.1	6.9	239
2004	9	35	4	4	229	41	10.59	73	56.41	10/7/2004	9:55	0.3	18.2	6.8	467
2004	9	35	4	4	230	41	10.59	73	56.39	10/7/2004	9:40	0.3	18.2	6.6	467
2004	9	35	4	4	277	41	10.95	73	57.06	10/7/2004	10:02	0.3	18.4	7.1	411
2004	9	35	6	2	231	41	11.23	73	53.69	10/6/2004	16:09	0.3	18.8	7.5	239
2004	9	35	6	2	232	41	11.172	73	53.996	10/6/2004	16:35	0.3	18.1	6.9	235
2004	9	35	6	2	274	41	11.17	73	53.71	10/6/2004	16:25	0.3	19.1	8.2	238
2004	9	36	4	4	227	41	11.02	73	57.41	10/7/2004	10:08	0.3	18.4	6.4	420
2004	9	36	4	4	281	41	11.13	73	57.16	10/7/2004	10:20	0.3	18.4	7	444
2004	9	36	4	4	282	41	11.2	73	57.17	10/7/2004	10:33	0.3	18.5	7.2	433
2004	9	36	6	2	228	41	12.25	73	53.5	10/6/2004	15:49	0.3	20.2	8.3	265
2004	9	36	6	2	276	41	12.17	73	53.51	10/6/2004	15:59	0.3	19.8	8.2	260

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2004	9	37	4	4	225	41	12.096	73	57.458	10/7/2004	10:47	0.3	18.8	7	409
2004	9	39	6	2	217	41	14.098	73	56.682	10/6/2004	15:31	0.3	19.5	7.3	220
2004	9	40	6	2	210	41	14.87	73	57.74	10/6/2004	15:01	0.3	21.2	6.4	209
2004	9	40	6	2	213	41	14.64	73	57.15	10/6/2004	15:14	0.3	20.2	7.4	214
2004	9	41	6	2	208	41	15.72	73	50.84	10/6/2004	14:45	0.3	19.5	6.2	216
2004	9	43	6	2	204	41	16.693	73	56.484	10/6/2004	14:35	0.3	19.4	6.6	205
2004	9	49	4	2	196	41	21.16	73	57.74	10/6/2004	14:05	0.3	18	6.3	201
2004	9	53	4	2	192	41	24.19	73	57.95	10/6/2004	13:45	0.3	17	6.7	220
2004	9	53	6	4	191	41	24.882	73	57.554	10/6/2004	13:10	0.3	19.4	8.1	206
2004	9	54	6	4	190	41	24.961	73	57.702	10/6/2004	12:44	0.3	18.3	6.7	209
2004	9	55	6	4	189	41	25.66	73	58.14	10/6/2004	12:31	0.3	16.9	7	215
2004	9	56	4	4	188	41	26.47	73	59.66	10/6/2004	12:18	0.3	17.9	6.9	210
2004	9	59	6	4	178	41	29.25	73	59.32	10/6/2004	11:40	0.3	16.4	6.9	236
2004	9	59	6	4	179	41	29.24	73	59.34	10/6/2004	11:52	0.3	17	7.2	232
2004	9	59	6	4	180	41	29.08	73	59.37	10/6/2004	12:08	0.3	17	7.4	231
2004	9	60	6	2	177	41	29.52	73	59.24	10/6/2004	11:30	0.3	15.5	7.3	244
2004	9	61	4	2	174	41	31.15	74	0.37	10/6/2004	11:10	0.3	18	6.9	245
2004	9	65	4	2	162	41	33.99	73	58.39	10/6/2004	10:51	0.3	18.4	6.6	215
2004	9	66	4	2	160	41	34.777	73	57.753	10/6/2004	10:33	0.3	17	6.9	224
2004	9	69	4	2	155	41	37.44	73	57.43	10/6/2004	9:45	0.3	16.5	6.3	212
2004	9	69	6	2	157	41	36.97	73	56.85	10/6/2004	10:06	0.3	17.3	6.2	211
2004	9	72	6	2	152	41	39.77	73	56.55	10/6/2004	9:31	0.3	17.4	6.1	210
2004	9	77	6	2	142	41	43.92	73	56.14	10/6/2004	9:07	0.3	15.8	6.9	200
2004	9	78	4	2	139	41	44.786	73	56.758	10/6/2004	8:45	0.3	15.6	6.7	201
2004	9	80	6	2	137	41	46.14	73	56.82	10/6/2004	8:22	0.3	16.4	6	199
2004	9	82	4	2	134	41	48.51	73	57.22	10/6/2004	8:01	0.3	16.5	6.7	194
2004	9	83	4	2	131	41	49.33	73	57.31	10/6/2004	7:30	0.3	16.4	7.1	197
2004	9	88	6	2	122	41	53.023	73	56.214	10/5/2004	16:31	0.3	17.3	8	199
2004	9	89	6	2	121	41	53.84	73	57.04	10/5/2004	16:05	0.3	16.8	7.9	201
2004	9	92	4	2	118	41	56.32	73	58.1	10/5/2004	15:53	0.3	17.6	8.2	192
2004	9	93	4	2	116	41	57.05	73	57.77	10/5/2004	15:21	0.3	17.6	8.3	192
2004	9	93	6	2	117	41	57.036	73	56.721	10/5/2004	15:31	0.3	18		191
2004	9	94	4	2	113	41	58.38	73	57.25	10/5/2004	15:05	0.3	16.9	8.5	187
2004	9	95	4	2	111	41	59.083	73	57.079	10/5/2004	14:52	0.3	17.2	8.8	190
2004	9	96	4	2	108	41	59.76	73	56.81	10/5/2004	14:31	0.3	17.4	8.6	189
2004	9	97	4	2	102	42	0.83	73	56.38	10/5/2004	14:19	0.3	17	8.4	189
2004	9	97	4	2	103	42	0.5	73	56.51	10/5/2004	14:27	0.3	17.3	8.5	186
2004	9	98	4	4	100	42	1.67	73	56.54	10/5/2004	13:56	0.3	17.5	8	210
2004	9	98	4	2	101	42	1.426	73	56.456	10/5/2004	14:09	0.3	17.1	7.7	188
2004	9	105	4	4	98	42	7.33	73	55.3	10/5/2004	13:32	0.3	17.5	8.1	209
2004	9	106	4	4	96	42	8.147	73	54.796	10/5/2004	13:14	0.3	18.1	8.2	243
2004	9	114	4	4	82	42	14.31	73	50.58	10/5/2004	12:20	0.3	17.8	7.8	224
2004	9	114	6	4	84	42	14.02	73	50.18	10/5/2004	12:45	0.3	17.9	8	223

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	9	116	6	4	77	42	15.02	73	48.31	10/5/2004	12:00	0.3	16.9	8	230
2004	9	119	6	4	69	42	17.29	73	46.78	10/5/2004	11:11	0.3	15.2	8.5	247
2004	9	119	6	4	71	42	17.16	73	46.8	10/5/2004	11:19	0.3	15.5	8.6	246
2004	9	121	4	4	65	42	19.307	73	47.217	10/5/2004	10:50	0.3	17.2	8.2	252
2004	9	121	4	4	68	42	18.53	73	47.1	10/5/2004	11:00	0.3	15.9	7.9	255
2004	9	122	4	4	63	42	19.84	73	47.18	10/5/2004	10:32	0.3	16.9	8	250
2004	9	122	6	4	62	42	20.105	73	46.848	10/5/2004	10:22	0.3	16.6	7.6	251
2004	9	124	4	4	55	42	21.64	73	47.62	10/5/2004	10:06	0.3	17.2	8	258
2004	9	125	6	4	54	42	22.034	73	47.302	10/5/2004	9:55	0.3	16.4	8	250
2004	9	128	6	4	43	42	25.02	73	46.62	10/5/2004	9:40	0.3	15.2	8.2	259
2004	9	129	6	4	40	42	25.67	73	46.67	10/5/2004	9:20	0.3	16.4	7.9	263
2004	9	129	6	4	42	42	25.226	73	46.523	10/5/2004	9:30	0.3	15	8.4	257
2004	9	132	4	4	32	42	28.13	73	47.21	10/5/2004	9:03	0.3	16.4	8	263
2004	9	134	4	4	27	42	30.17	73	46.88	10/5/2004	8:15	0.3	16.4	8.2	260
2004	9	134	4	4	28	42	30.027	73	46.913	10/5/2004	8:54	0.3	16.5	8.2	260
2004	10	18	4	2	260	40	56.889	73	55.1	10/18/2004	10:35	0.3	15.4	8.3	11576
2004	10	19	6	2	259	40	57.735	73	53.561	10/18/2004	10:44	0.3	14.9	8.3	10878
2004	10	20	6	2	258	40	57.73	73	53.661	10/18/2004	11:10	0.3	14.4	8	11064
2004	10	23	6	2	254	41	1.086	73	52.681	10/18/2004	11:39	0.3	15	8.5	10324
2004	10	23	6	2	255	41	0.74	73	52.83	10/18/2004	11:21	0.3	15.2	9.1	10143
2004	10	24	6	2	252	41	2.057	73	52.505	10/18/2004	12:00	0.3	15.5	8.8	9759
2004	10	24	6	2	253	41	1.169	73	52.711	10/18/2004	11:49	0.3	15.4	8.7	9805
2004	10	25	4	2	250	41	2.86	73	55.07	10/18/2004	10:03	0.3	13.4	8.4	10935
2004	10	25	4	2	270	41	2.783	73	55.05	10/18/2004	10:15	0.3	12.9	8.9	10958
2004	10	25	6	2	251	41	2.46	73	52.42	10/18/2004	12:12	0.3	15.2	8.8	9211
2004	10	26	4	2	246	41	3.6	73	55.2	10/18/2004	9:50	0.3	13.6	8.7	9512
2004	10	26	4	2	271	41	3.77	73	55.22	10/18/2004	9:42	0.3	13.9	8.2	10887
2004	10	26	4	2	285	41	3.607	73	55.196	10/18/2004	9:57	0.3	13.6	8.5	10923
2004	10	26	6	2	247	41	3.891	73	52.077	10/18/2004	12:42	0.3	14.9	8.7	9137
2004	10	26	6	2	248	41	3.273	73	52.221	10/18/2004	12:33	0.3	14.8	8.7	9170
2004	10	26	6	2	249	41	2.67	73	52.3	10/18/2004	12:23	0.3	14.5	7.9	9232
2004	10	27	4	2	245	41	4.19	73	55.21	10/18/2004	9:28	0.3	15.1	8.4	9650
2004	10	27	4	2	272	41	4.49	73	55.14	10/18/2004	9:18	0.3	15	8.7	9708
2004	10	28	6	2	243	41	5.683	73	52.214	10/18/2004	13:27	0.3	14.4	8.3	8491
2004	10	28	6	2	244	41	5.33	73	52.33	10/18/2004	13:00	0.3	13.9	9	8298
2004	10	29	4	2	242	41	6.1	73	54.88	10/18/2004	8:56	0.3	13.8	8.1	9304
2004	10	30	4	2	241	41	7.14	73	54.77	10/18/2004	8:40	0.3	13.6	8.4	9715
2004	10	31	4	2	283	41	8.34	73	54.4	10/18/2004	8:30	0.3	16.4	8.4	8277
2004	10	32	4	4	239	41	8.81	73	54.6	10/18/2004	8:00	0.3	15.6	7.9	8157
2004	10	32	4	2	240	41	8.48	73	54.42	10/18/2004	8:15	0.3	15.5	8.3	8114
2004	10	32	6	2	237	41	9.274	73	52.181	10/18/2004	13:48	0.3	14	9.5	6767
2004	10	32	6	2	238	41	8.85	73	52.123	10/18/2004	13:40	0.3	14	9	6376
2004	10	32	6	2	269	41	9.445	73	52.243	10/18/2004	13:58	0.3	13.8	9.1	6506

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2004	10	33	6	2	236	41	9.79	73	52.202	10/18/2004	14:05	0.3	13.9	9.1	6542
2004	10	34	6	4	235	41	10.632	73	52.59	10/18/2004	14:14	0.3	14.1	9.2	2097
2004	10	34	6	2	233	41	10.662	73	53.922	10/21/2004	9:58	0.3	14.5	8.2	6715
2004	10	35	4	2	229	41	10.59	73	56.41	10/21/2004	10:13	0.3	15.8	7.5	5279
2004	10	35	4	2	230	41	10.59	73	56.39	10/21/2004	10:26	0.3	16	7.8	5296
2004	10	35	4	2	277	41	10.95	73	57.06	10/21/2004	10:35	0.3	15.8	7.7	5215
2004	10	35	6	2	231	41	11.23	73	53.69	10/21/2004	9:26	0.3	13.8	8.3	6810
2004	10	35	6	2	232	41	11.172	73	53.996	10/21/2004	9:44	0.3	14.5	8.1	8385
2004	10	35	6	2	274	41	11.17	73	53.71	10/21/2004	9:37	0.3	14.1	8.5	8587
2004	10	36	4	2	227	41	11.02	73	57.41	10/21/2004	10:50	0.3	16.2	8.6	5326
2004	10	36	6	4	228	41	12.25	73	53.5	10/21/2004	9:02	0.3	14.3	7.6	6558
2004	10	36	6	4	276	41	12.17	73	53.51	10/21/2004	9:15	0.3	14.2	7.7	6548
2004	10	37	4	2	225	41	12.096	73	57.458	10/21/2004	11:02	0.3	15.2	8.8	4755
2004	10	38	4	4	222	41	12.979	73	57.867	10/21/2004	8:15	0.3	16	8.6	5008
2004	10	38	4	4	223	41	12.89	73	57.806	10/21/2004	8:58	0.3	16.5	7.4	5121
2004	10	40	6	2	210	41	14.87	73	57.74	10/20/2004	15:27	0.3	17.7	7.8	3612
2004	10	40	6	2	213	41	14.64	73	57.15	10/20/2004	15:59	0.3	17	7.5	5050
2004	10	41	6	2	208	41	15.72	73	50.84	10/20/2004	15:17	0.3	16.9	7.1	3648
2004	10	42	4	2	206	41	16.412	73	58.1	10/20/2004	15:05	0.3	17	7.8	3368
2004	10	44	6	2	201	41	17.74	73	56.87	10/20/2004	14:31	0.3	16.9	7.9	3027
2004	10	49	4	2	196	41	21.16	73	57.74	10/20/2004	14:14	0.3	15.8	8.1	1111
2004	10	52	6	2	194	41	24.12	73	56.81	10/20/2004	13:43	0.3	16.2	8	1167
2004	10	53	6	2	191	41	24.882	73	57.554	10/20/2004	13:23	0.3	15.9	7.9	924
2004	10	54	6	2	190	41	24.961	73	57.702	10/20/2004	12:59	0.3	15.5	8.7	635
2004	10	55	6	2	189	41	25.66	73	58.14	10/20/2004	12:36	0.3	15	7.7	642
2004	10	56	4	4	188	41	26.47	73	59.66	10/20/2004	12:18	0.3	15.2	8.7	364
2004	10	58	4	4	183	41	28.02	74	0.87	10/20/2004	11:56	0.3	14.6	9.2	367
2004	10	58	4	4	184	41	27.78	74	0.7	10/20/2004	12:08	0.3	14.7	9.1	291
2004	10	60	6	4	176	41	29.57	73	59.06	10/20/2004	11:30	0.3	13.8	8.4	372
2004	10	60	6	4	177	41	29.52	73	59.24	10/20/2004	11:49	0.3	14.2	9.1	368
2004	10	61	4	4	174	41	31.15	74	0.37	10/20/2004	11:11	0.3	14.8	9.1	233
2004	10	63	6	4	168	41	32.3	73	58.633	10/20/2004	10:54	0.3	13.1	8.3	270
2004	10	64	4	4	164	41	33.37	73	59.18	10/20/2004	10:38	0.3	15.5	8.4	210
2004	10	69	4	4	155	41	37.44	73	57.43	10/20/2004	10:04	0.3	14.8	8.5	199
2004	10	69	6	4	158	41	36.94	73	56.81	10/20/2004	10:17	0.3	14.9	8.7	201
2004	10	72	6	4	152	41	39.77	73	56.55	10/20/2004	9:37	0.3	14.6	7.3	193
2004	10	77	6	4	140	41	44.56	73	56.17	10/20/2004	9:07	0.3	14.4	8.3	192
2004	10	77	6	4	143	41	43.83	73	56.16	10/20/2004	9:28	0.3	14.7	8	191
2004	10	78	6	4	138	41	45.18	73	56.22	10/20/2004	8:59	0.3	13.6	7.3	196
2004	10	82	4	2	134	41	48.51	73	57.22	10/20/2004	8:42	0.3	13.9	8	197
2004	10	83	4	2	131	41	49.33	73	57.31	10/20/2004	8:27	0.3	13.7	8	199
2004	10	86	6	2	125	41	51.75	73	55.89	10/20/2004	8:11	0.3	13.3	8.1	211
2004	10	89	6	2	121	41	53.84	73	57.04	10/20/2004	7:54	0.3	13.3	8.3	213

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2004	10	90	6	2	120	41	54.02	73	57.2	10/20/2004	7:30	0.3	13.3	8.5	213
2004	10	91	6	2	119	41	55.847	73	56.774	10/19/2004	15:50	0.3	13.2	8.8	226
2004	10	93	6	2	117	41	57.036	73	56.721	10/19/2004	15:26	0.3	13	9	219
2004	10	94	6	2	114	41	58.085	73	56.467	10/19/2004	15:03	0.3	13.1	9.3	221
2004	10	95	6	2	112	41	58.238	73	56.123	10/19/2004	14:50	0.3	13	8.9	223
2004	10	97	4	2	102	42	0.83	73	56.38	10/19/2004	14:21	0.3	13	9.6	232
2004	10	97	4	2	103	42	0.5	73	56.51	10/19/2004	14:32	0.3	13.1	9.8	229
2004	10	97	6	2	104	42	0.26	73	55.792	10/19/2004	14:42	0.3	13.1	9.3	233
2004	10	98	4	2	100	42	1.67	73	56.54	10/19/2004	14:04	0.3	13.2	9.6	231
2004	10	98	4	2	101	42	1.426	73	56.456	10/19/2004	14:13	0.3	13.1	9.6	232
2004	10	105	4	2	98	42	7.33	73	55.3	10/19/2004	13:46	0.3	13	9	239
2004	10	106	4	2	96	42	8.147	73	54.796	10/19/2004	13:29	0.3	13	9	224
2004	10	112	4	4	88	42	12.69	73	51.26	10/19/2004	13:02	0.3	13	9.5	224
2004	10	114	4	4	81	42	14.39	73	50.549	10/19/2004	12:20	0.3	13.3	8.7	227
2004	10	114	4	4	83	42	14.26	73	50.71	10/19/2004	12:29	0.3	13.5	8.8	226
2004	10	114	6	4	85	42	13.54	73	50.75	10/19/2004	12:45	0.3	12.5	8.7	222
2004	10	116	6	4	77	42	15.02	73	48.31	10/19/2004	12:00	0.3	13.6	8.8	231
2004	10	117	4	4	76	42	15.84	73	47.69	10/19/2004	11:34	0.3	12.2	9.7	222
2004	10	119	6	4	71	42	17.16	73	46.8	10/19/2004	11:20	0.3	12.3	9.4	227
2004	10	121	6	4	66	42	19.33	73	46.85	10/19/2004	10:59	0.3	13.2	8.6	232
2004	10	122	6	4	62	42	20.105	73	46.848	10/19/2004	10:45	0.3	13.2	8	231
2004	10	124	6	4	56	42	21.49	73	47.29	10/19/2004	10:29	0.3	13.3	8.8	234
2004	10	128	4	4	44	42	25	73	46.99	10/19/2004	10:10	0.3	13.5	8.5	241
2004	10	128	6	4	43	42	25.02	73	46.62	10/19/2004	10:01	0.3	12.5	8.8	243
2004	10	129	6	2	39	42	25.879	73	46.76	10/19/2004	9:50	0.3	12.5	8.8	243
2004	10	132	4	2	32	42	28.13	73	47.21	10/19/2004	9:27	0.3	12.4	8	337
2004	10	134	4	2	27	42	30.17	73	46.88	10/19/2004	9:07	0.3	11.8	8.8	260
2004	10	138	4	2	21	42	33.51	73	45.33	10/19/2004	8:44	0.3	12.9	9	224
2004	10	139	4	2	19	42	34.03	73	45.26	10/19/2004	8:30	0.3	12.9	9.3	225
2005	1	18	4	4	260	40	56.889	73	55.1	6/16/2005	9:28	0.3	23.4	6.9	12529
2005	1	20	6	4	258	40	57.73	73	53.661	6/16/2005	9:36	0.3	23	6.6	12809
2005	1	23	6	4	255	41	0.74	73	52.83	6/16/2005	9:51	0.3	23.1	6.6	12285
2005	1	24	6	4	252	41	2.057	73	52.505	6/16/2005	10:12	0.3	23.6	6.4	12016
2005	1	24	6	4	253	41	1.169	73	52.711	6/16/2005	10:03	0.3	23.4	6.7	12209
2005	1	25	6	4	251	41	2.46	73	52.42	6/16/2005	10:29	0.3	23.6	7.1	12026
2005	1	26	4	4	271	41	3.77	73	55.22	6/16/2005	9:08	0.3	23.7	6.6	8860
2005	1	28	6	4	243	41	5.683	73	52.214	6/16/2005	10:48	0.3	23.3	6	8985
2005	1	28	6	4	244	41	5.33	73	52.33	6/16/2005	10:37	0.3	23.7	6.7	9392
2005	1	29	4	4	242	41	6.1	73	54.88	6/16/2005	8:49	0.3	23.6	7.3	7751
2005	1	30	4	2	241	41	7.14	73	54.77	6/16/2005	8:34	0.3	23.5	7.3	7582
2005	1	32	4	2	239	41	8.81	73	54.6	6/16/2005	8:19	0.3	23.4	7.7	8071
2005	1	32	6	4	269	41	9.445	73	52.243	6/16/2005	11:11	0.3		6.5	
2005	1	33	6	4	236	41	9.79	73	52.202	6/16/2005	11:23	0.3	24	6.6	7646

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2005	1	34	6	4	233	41	10.662	73	53.922	6/16/2005	11:39	0.3	24.3	6.8	6508
2005	1	35	4	2	229	41	10.59	73	56.41	6/16/2005	8:07	0.3	23.4	6.6	7052
2005	1	35	4	2	277	41	10.95	73	57.06	6/16/2005	7:55	0.3	23.5	6.7	6739
2005	1	35	6	4	231	41	11.23	73	53.69	6/16/2005	12:00	0.3	24.4	7.5	6152
2005	1	35	6	4	232	41	11.172	73	53.996	6/16/2005	11:51	0.3	24.4	6.9	6222
2005	1	36	4	2	281	41	11.13	73	57.16	6/16/2005	7:40	0.3	23.8	6.8	6759
2005	1	36	6	4	228	41	12.25	73	53.5	6/16/2005	12:19	0.3	24.5	7	5807
2005	1	40	6	4	210	41	14.87	73	57.74	6/16/2005	12:53	0.3	23.9	7.5	6113
2005	1	40	6	4	213	41	14.64	73	57.15	6/16/2005	12:38	0.3	23.9	7.8	6174
2005	1	43	6	2	205	41	16.413	73	56.551	6/15/2005	17:30	0.3	23.4	7.2	3226
2005	1	49	4	2	196	41	21.16	73	57.74	6/15/2005	16:59	0.3	22.8		672
2005	1	54	6	2	190	41	24.961	73	57.702	6/15/2005	16:45	0.3	22.9	8.2	593
2005	1	55	6	2	189	41	25.66	73	58.14	6/15/2005	16:32	0.3	22.3	8.1	475
2005	1	56	4	2	188	41	26.47	73	59.66	6/15/2005	16:23	0.3	22.5	7.9	316
2005	1	58	6	2	182	41	28.2	73	59.12	6/15/2005	16:06	0.3	24	8	368
2005	1	60	6	2	177	41	29.52	73	59.24	6/15/2005	15:48	0.3	25	7	347
2005	1	63	6	2	169	41	32.07	73	58.83	6/15/2005	15:22	0.3	24.9	8	277
2005	1	64	4	2	164	41	33.37	73	59.18	6/15/2005	14:53	0.3	24.7	8	237
2005	1	64	6	2	165	41	32.66	73	58.52	6/15/2005	15:16	0.3	24.9	8	245
2005	1	65	4	4	162	41	33.99	73	58.39	6/15/2005	14:39	0.3	23.6	7.9	213
2005	1	69	4	4	155	41	37.44	73	57.43	6/15/2005	13:55	0.3	22.7	8	213
2005	1	69	6	4	158	41	36.94	73	56.81	6/15/2005	14:20	0.3	24	8	214
2005	1	72	6	4	152	41	39.77	73	56.55	6/15/2005	13:44	0.3	22	8.3	210
2005	1	74	6	4	149	41	41.064	73	56.289	6/15/2005	13:17	0.3	22.1	7.7	209
2005	1	77	6	4	141	41	44.46	73	56.21	6/15/2005	12:51	0.3	22.5	7.5	217
2005	1	80	6	4	137	41	46.14	73	56.82	6/15/2005	12:40	0.3	22.5	7.9	218
2005	1	81	4	4	135	41	47.474	73	57.457	6/15/2005	12:24	0.3	23.7	7.4	223
2005	1	82	4	4	134	41	48.51	73	57.22	6/15/2005	12:14	0.3	23.3	7.1	226
2005	1	83	4	4	131	41	49.33	73	57.31	6/15/2005	11:45	0.3	23.6	6.4	227
2005	1	83	4	4	133	41	48.74	73	57.19	6/15/2005	12:00	0.3	23.6	6.4	227
2005	1	84	4	4	129	41	50.61	73	57.28	6/15/2005	11:25	0.3	24.3	6.8	234
2005	1	85	6	4	127	41	51.18	73	56.5	6/15/2005	11:17	0.3	23.5	6.9	234
2005	1	86	6	4	125	41	51.75	73	55.89	6/15/2005	11:06	0.3	23.8	6.7	240
2005	1	87	4	4	123	41	52.616	73	57.292	6/15/2005	10:55	0.3	24.5	6.9	242
2005	1	89	6	4	121	41	53.84	73	57.04	6/15/2005	10:46	0.3	24.4	6.9	242
2005	1	90	6	4	120	41	54.02	73	57.2	6/15/2005	10:37	0.3	24.4	7.1	233
2005	1	91	6	4	119	41	55.847	73	56.774	6/15/2005	10:00	0.3	24.5	6	247
2005	1	92	4	2	118	41	56.32	73	58.1	6/15/2005	7:20	0.3	24.3	6.1	253
2005	1	93	4	2	116	41	57.05	73	57.77	6/15/2005	7:38	0.3	24.4	6.7	277
2005	1	93	6	4	117	41	57.036	73	56.721	6/15/2005	9:53	0.3	24.7	6.6	261
2005	1	94	4	2	113	41	58.38	73	57.25	6/15/2005	7:51	0.3	24.2	6.3	259
2005	1	95	4	2	111	41	59.083	73	57.079	6/15/2005	8:03	0.3	24.7	6.4	259
2005	1	95	6	4	112	41	58.238	73	56.123	6/15/2005	9:40	0.3	24.9	6.6	254

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2005	1	96	4	2	105	42	0.22	73	56.65	6/15/2005	8:20	0.3	24.3	6.9	264
2005	1	96	4	2	108	41	59.76	73	56.81	6/15/2005	8:12	0.3	24.4	6.6	262
2005	1	96	6	4	109	41	59.43	73	56.012	6/15/2005	9:27	0.3	24.4	6.6	262
2005	1	97	4	2	102	42	0.83	73	56.38	6/15/2005	8:41	0.3	24.4	6.7	261
2005	1	97	4	2	103	42	0.5	73	56.51	6/15/2005	8:30	0.3	24.4	6.6	261
2005	1	97	6	4	104	42	0.26	73	55.792	6/15/2005	9:14	0.3	24.9	6.6	258
2005	1	98	4	2	100	42	1.67	73	56.54	6/15/2005	9:02	0.3	25.1	6.7	262
2005	1	98	4	2	101	42	1.426	73	56.456	6/15/2005	8:53	0.3	25.3	6.5	262
2005	1	99	6	2	99	42	2.02	73	55.73	6/14/2005	18:00				
2005	1	105	4	2	97	42	7.68	73	55.13	6/14/2005	17:17	0.3	27.1	6.2	263
2005	1	105	4	2	98	42	7.33	73	55.3	6/14/2005	17:29	0.3	26.3	6.3	262
2005	1	106	4	2	96	42	8.147	73	54.796	6/14/2005	17:04	0.3	25.9	6.8	289
2005	1	108	6	2	94	42	9.56	73	53.18	6/14/2005	16:48	0.3	26	7.5	269
2005	1	112	4	2	88	42	12.69	73	51.26	6/14/2005	16:27	0.3	27.8	6.6	268
2005	1	113	4	2	86	42	13.12	73	51.33	6/14/2005	16:15	0.3	26.3	7.2	268
2005	1	114	4	2	83	42	14.26	73	50.71	6/14/2005	15:47	0.3	26.8	7.1	260
2005	1	114	6	2	85	42	13.54	73	50.75	6/14/2005	16:04	0.3	26.3	6.7	265
2005	1	115	6	4	79	42	14.8	73	49	6/14/2005	15:31	0.3	26.2	7.2	258
2005	1	116	6	4	77	42	15.02	73	48.31	6/14/2005	15:20	0.3	25.9	7.3	268
2005	1	118	4	4	75	42	16.12	73	47.49	6/14/2005	15:05	0.3	26.7	7.5	266
2005	1	119	4	4	70	42	17.317	73	47.373	6/14/2005	14:38	0.3	27	5.9	270
2005	1	119	6	4	71	42	17.16	73	46.8	6/14/2005	14:23	0.3	27.2	7	265
2005	1	119	6	4	72	42	16.82	73	47.28	6/14/2005	14:55	0.3	26.3	7.8	261
2005	1	121	4	4	68	42	18.53	73	47.1	6/14/2005	14:08	0.3	26.3	7.6	266
2005	1	121	6	4	66	42	19.33	73	46.85	6/14/2005	13:46	0.3	26.5	7.8	266
2005	1	121	6	4	67	42	18.82	73	46.89	6/14/2005	13:56	0.3	26.3	7.6	239
2005	1	122	6	4	62	42	20.105	73	46.848	6/14/2005	13:26	0.3	26.7	8.1	266
2005	1	122	6	4	64	42	19.9	73	46.8	6/14/2005	13:36	0.3	26.7	7.8	267
2005	1	124	4	4	55	42	21.64	73	47.62	6/14/2005	12:31	0.3	26.1	7.8	264
2005	1	124	6	4	56	42	21.49	73	47.29	6/14/2005	12:52	0.3	26.7	7.8	265
2005	1	124	6	4	57	42	21.28	73	47.32	6/14/2005	13:08	0.3	26.2	8	265
2005	1	125	4	4	53	42	22.27	73	47.62	6/14/2005	12:21	0.3	26.1	7.4	264
2005	1	125	6	4	52	42	22.39	73	47.45	6/14/2005	12:09	0.3	26.3	7	263
2005	1	125	6	4	54	42	22.034	73	47.302	6/14/2005	12:42	0.3	26.3	7.6	265
2005	1	128	4	4	44	42	25	73	46.99	6/14/2005	11:53	0.3	26	6.1	267
2005	1	128	6	4	43	42	25.02	73	46.62	6/14/2005	11:43	0.3	26.1	7.1	267
2005	1	129	6	4	39	42	25.879	73	46.76	6/14/2005	11:04	0.3	26.1	6	267
2005	1	129	6	4	40	42	25.67	73	46.67	6/14/2005	11:17	0.3	26.2	6	268
2005	1	129	6	4	42	42	25.226	73	46.523	6/14/2005	11:32	0.3	26.2	6.8	268
2005	1	131	4	4	33	42	28.06	73	47.13	6/14/2005	10:49	0.3	26.2	5.6	281
2005	1	132	4	4	32	42	28.13	73	47.21	6/14/2005	10:37	0.3	26.4	6	269
2005	1	133	4	4	29	42	29.09	73	47.273	6/14/2005	10:15	0.3	26.3	7	268
2005	1	134	4	4	28	42	30.027	73	46.913	6/14/2005	9:55	0.3	26.3	7	268

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	2	19	6	4	259	40	57.735	73	53.561	6/30/2005	11:30	0.3	25	5.9	11754
2005	2	20	6	4	258	40	57.73	73	53.661	6/30/2005	11:34	0.3	25.5	5.6	11841
2005	2	23	6	4	254	41	1.086	73	52.681	6/30/2005	10:53	0.3	25.8	6.9	10613
2005	2	24	6	4	253	41	1.169	73	52.711	6/30/2005	10:37	0.3	24.5	6.5	10728
2005	2	25	6	4	251	41	2.46	73	52.42	6/30/2005	10:20	0.3	25	6.8	9832
2005	2	26	4	4	271	41	3.77	73	55.22	6/30/2005	11:58	0.3	26	6.6	8061
2005	2	26	6	4	249	41	2.67	73	52.3	6/30/2005	10:09	0.3	24.8	6.7	8422
2005	2	28	6	4	243	41	5.683	73	52.214	6/30/2005	9:40	0.3	24.8	7.1	6241
2005	2	28	6	4	244	41	5.33	73	52.33	6/30/2005	9:51	0.3	24.7	7.1	5783
2005	2	30	4	4	241	41	7.14	73	54.77	6/30/2005	12:21	0.3	27.2	6.6	8009
2005	2	32	4	4	239	41	8.81	73	54.6	6/30/2005	12:56	0.3	25	6.9	4981
2005	2	32	4	4	240	41	8.48	73	54.42	6/30/2005	12:38	0.3	26.7	6.6	6023
2005	2	32	6	4	238	41	8.85	73	52.123	6/30/2005	9:16	0.3	24.6	6.9	6127
2005	2	32	6	4	269	41	9.445	73	52.243	6/30/2005	9:02	0.3	24.7	6.4	6294
2005	2	34	6	4	234	41	10.19	73	53.93	6/30/2005	8:20	0.3	24.5	6.3	5676
2005	2	34	6	4	235	41	10.632	73	52.59	6/30/2005	8:35	0.3	23.3	5.6	1369
2005	2	35	4	4	277	41	10.95	73	57.06	6/30/2005	13:22	0.3	25	6.4	5578
2005	2	35	6	4	274	41	11.17	73	53.71	6/30/2005	8:03	0.3	24	7.6	5897
2005	2	36	4	4	281	41	11.13	73	57.16	6/30/2005	13:31	0.3	25	6.9	5180
2005	2	36	6	4	228	41	12.25	73	53.5	6/30/2005	7:40	0.3	24.1	6.9	5703
2005	2	37	4	4	225	41	12.096	73	57.458	6/30/2005	13:41	0.3	25	6.6	5000
2005	2	39	6	4	217	41	14.098	73	56.682	6/30/2005	14:00	0.3	26	7	1617
2005	2	43	6	4	204	41	16.693	73	56.484	6/30/2005	14:22	0.3	25.4	7	1747
2005	2	44	6	4	201	41	17.74	73	56.87	6/30/2005	14:34	0.3	25.6	7.7	1501
2005	2	49	4	4	196	41	21.16	73	57.74	6/30/2005	14:54	0.3	24.7	6.3	365
2005	2	52	6	4	194	41	24.12	73	56.81	6/30/2005	15:13	0.3	25.5		293
2005	2	53	4	2	192	41	24.19	73	57.95	6/30/2005	15:45	0.3	25.5	6	291
2005	2	56	4	2	188	41	26.47	73	59.66	6/29/2005	17:50	0.3	24.9	7.2	271
2005	2	58	6	2	182	41	28.2	73	59.12	6/29/2005	17:35	0.3	25.1	5.5	346
2005	2	59	6	2	180	41	29.08	73	59.37	6/29/2005	17:22	0.3	25.2	6.4	357
2005	2	62	4	2	171	41	32.19	73	59.91	6/29/2005	17:05	0.3	25.5	6.8	394
2005	2	63	6	2	168	41	32.3	73	58.633	6/29/2005	16:55	0.3	24.7	6	275
2005	2	64	4	2	164	41	33.37	73	59.18	6/29/2005	16:29	0.3	24.5	6.6	272
2005	2	64	6	2	165	41	32.66	73	58.52	6/29/2005	16:46	0.3	24.5	6.8	272
2005	2	65	4	2	162	41	33.99	73	58.39	6/29/2005	16:16	0.3	25.5	6.8	273
2005	2	69	4	4	155	41	37.44	73	57.43	6/29/2005	15:51	0.3	24.4	6.2	246
2005	2	72	6	4	152	41	39.77	73	56.55	6/29/2005	15:36	0.3	24.3	5.8	283
2005	2	74	6	4	149	41	41.064	73	56.289	6/29/2005	15:09	0.3	24.7	6.7	294
2005	2	77	6	4	140	41	44.56	73	56.17	6/29/2005	14:41	0.3	25.6	6.7	277
2005	2	80	6	4	137	41	46.14	73	56.82	6/29/2005	14:19	0.3	25	6.6	277
2005	2	81	4	4	135	41	47.474	73	57.457	6/29/2005	14:04	0.3	24.7	6.7	281
2005	2	82	4	4	134	41	48.51	73	57.22	6/29/2005	13:36	0.3	23.5	6.8	295
2005	2	83	4	4	131	41	49.33	73	57.31	6/29/2005	12:45	0.3	21.5	8	289

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2005	2	83	4	4	133	41	48.74	73	57.19	6/29/2005	13:04	0.3	21.4	7.2	314
2005	2	84	6	4	130	41	50.19	73	56.63	6/29/2005	12:25	0.3	21.5	8.3	311
2005	2	85	6	4	127	41	51.18	73	56.5	6/29/2005	12:09	0.3	25.3	7	238
2005	2	86	6	4	125	41	51.75	73	55.89	6/29/2005	11:49	0.3	25.4	7	227
2005	2	87	4	4	123	41	52.616	73	57.292	6/29/2005	11:35	0.3	25.3	6.9	222
2005	2	88	6	4	122	41	53.023	73	56.214	6/29/2005	11:14	0.3	25.1	6.9	224
2005	2	89	6	4	121	41	53.84	73	57.04	6/29/2005	10:53	0.3	25.6	6.3	263
2005	2	90	6	4	120	41	54.02	73	57.2	6/29/2005	10:42	0.3	25.3	6.4	264
2005	2	92	4	2	118	41	56.32	73	58.1	6/29/2005	7:03	0.3	25.8	6.4	247
2005	2	93	4	2	116	41	57.05	73	57.77	6/29/2005	7:24	0.3	25.5	6.8	237
2005	2	93	6	2	117	41	57.036	73	56.721	6/29/2005	10:23	0.3	25.7	6.4	253
2005	2	94	4	2	113	41	58.38	73	57.25	6/29/2005	7:50	0.3	25.4	6.8	233
2005	2	94	4	2	115	41	57.78	73	57.47	6/29/2005	7:40	0.3	25.2	7.3	235
2005	2	95	4	2	111	41	59.083	73	57.079	6/29/2005	8:05	0.3	25.4	6.2	232
2005	2	95	6	2	112	41	58.238	73	56.123	6/29/2005	10:06	0.3	25.8	6.6	246
2005	2	96	4	2	105	42	0.22	73	56.65	6/29/2005	8:32	0.3	25	6.8	226
2005	2	96	4	2	108	41	59.76	73	56.81	6/29/2005	8:17	0.3	25.3	6.8	226
2005	2	96	6	2	109	41	59.43	73	56.012	6/29/2005	9:53	0.3	25.5	6.6	236
2005	2	97	4	2	102	42	0.83	73	56.38	6/29/2005	8:51	0.3	24.8	7.1	227
2005	2	97	4	2	103	42	0.5	73	56.51	6/29/2005	8:40	0.3	25.1	6.6	230
2005	2	97	6	2	104	42	0.26	73	55.792	6/29/2005	9:38	0.3	25.5	6.4	232
2005	2	98	4	2	100	42	1.67	73	56.54	6/29/2005	9:11	0.3	25.2	6.8	223
2005	2	98	4	2	101	42	1.426	73	56.456	6/29/2005	9:05	0.3	25.1	7.1	223
2005	2	99	6	2	99	42	2.02	73	55.73	6/29/2005	9:22	0.3	25.3	6.8	222
2005	2	105	4	2	98	42	7.33	73	55.3	6/28/2005	18:00	0.3	25.2	7.5	200
2005	2	106	4	2	96	42	8.147	73	54.796	6/28/2005	17:38	0.3	25.3	7.3	218
2005	2	108	6	2	94	42	9.56	73	53.18	6/28/2005	17:22	0.3	26	8	166
2005	2	112	4	2	88	42	12.69	73	51.26	6/28/2005	17:03	0.3	25.6	8	172
2005	2	113	4	2	86	42	13.12	73	51.33	6/28/2005	16:53	0.3	25.4	7.7	194
2005	2	114	4	4	81	42	14.39	73	50.549	6/28/2005	15:37	0.3	25.3	6	204
2005	2	114	4	4	82	42	14.31	73	50.58	6/28/2005	15:53	0.3	26	7	195
2005	2	114	4	4	83	42	14.26	73	50.71	6/28/2005	16:17	0.3	25	7	199
2005	2	114	6	4	84	42	14.02	73	50.18	6/28/2005	16:26	0.3	25	7	199
2005	2	114	6	2	85	42	13.54	73	50.75	6/28/2005	16:37	0.3	26.6	6.3	190
2005	2	116	6	4	77	42	15.02	73	48.31	6/28/2005	15:20	0.3	25.1	6.6	196
2005	2	117	4	4	76	42	15.84	73	47.69	6/28/2005	15:03	0.3	24.9	6.9	198
2005	2	118	4	4	74	42	16.42	73	47.92	6/28/2005	14:51	0.3	24.8	6.8	197
2005	2	119	4	4	70	42	17.317	73	47.373	6/28/2005	14:35	0.3	25	7	193
2005	2	119	6	4	69	42	17.29	73	46.78	6/28/2005	14:24	0.3	25.4	7	191
2005	2	121	4	4	68	42	18.53	73	47.1	6/28/2005	14:07	0.3	24.8	7	196
2005	2	121	6	4	66	42	19.33	73	46.85	6/28/2005	13:50	0.3	24.7		195
2005	2	121	6	4	67	42	18.82	73	46.89	6/28/2005	13:55	0.3	24.9	7	195
2005	2	122	6	4	62	42	20.105	73	46.848	6/28/2005	13:19	0.3	24.9	7	197

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2005	2	122	6	4	64	42	19.9	73	46.8	6/28/2005	13:33	0.3	25.1	7.1	198
2005	2	124	4	4	55	42	21.64	73	47.62	6/28/2005	13:05	0.3	25.3	7	194
2005	2	129	4	4	41	42	25.79	73	46.99	6/28/2005	12:47	0.3	24.6	7.3	174
2005	2	129	6	4	39	42	25.879	73	46.76	6/28/2005	12:26	0.3	24.7	7.3	171
2005	2	129	6	4	40	42	25.67	73	46.67	6/28/2005	12:36	0.3	24.7	7.2	185
2005	2	131	4	4	33	42	28.06	73	47.13	6/28/2005	12:04	0.3	24.7	7.3	177
2005	2	133	4	4	29	42	29.09	73	47.273	6/28/2005	11:48	0.3	24.4	7.3	180
2005	2	137	6	4	24	42	32.262	73	45.288	6/28/2005	11:30	0.3	24.8	7.1	181
2005	2	139	4	4	16	42	34.31	73	45.21	6/28/2005	11:06	0.3	25.2	6.6	182
2005	2	142	6	4	8	42	36.82	73	45.4	6/28/2005	10:45	0.3	25.9	7.4	180
2005	2	145	6	4	4	42	39.51	73	44.09	6/28/2005	10:35	0.3	25.7	7.1	174
2005	2	148	6	4	3	42	41.41	73	42.584	6/28/2005	10:14	0.3	25.7	6.7	173
2005	2	149	6	4	2	42	42	73	42.07	6/28/2005	10:04	0.3	25.7	7.2	156
2005	2	151	4	4	1	42	44.51	73	41.196	6/28/2005	9:50	0.3	26	7.3	160
2005	3	20	6	4	258	40	57.73	73	53.661	7/12/2005	11:00	0.3	26	5.4	11409
2005	3	21	6	4	257	40	59.13	73	53.13	7/12/2005	10:47	0.3	26.4	6.2	9409
2005	3	23	6	4	255	41	0.74	73	52.83	7/12/2005	10:25	0.3	26.3	5.9	9457
2005	3	25	6	4	251	41	2.46	73	52.42	7/12/2005	10:18	0.3	26.1	5.7	10538
2005	3	26	6	4	247	41	3.891	73	52.077	7/12/2005	9:45	0.3	26	6	8461
2005	3	26	6	4	248	41	3.273	73	52.221	7/12/2005	9:53	0.3	26.1	6	8522
2005	3	26	6	4	249	41	2.67	73	52.3	7/12/2005	10:05	0.3	25.9	6.4	10620
2005	3	28	6	4	244	41	5.33	73	52.33	7/12/2005	9:30	0.3	26	5.7	8295
2005	3	29	4	2	242	41	6.1	73	54.88	7/12/2005	11:23	0.3	28.9	7	5530
2005	3	30	4	2	241	41	7.14	73	54.77	7/12/2005	11:41	0.3	28.9	7	5981
2005	3	31	4	2	283	41	8.34	73	54.4	7/12/2005	11:58	0.3	27.9	7.1	5718
2005	3	32	4	2	239	41	8.81	73	54.6	7/12/2005	12:07	0.3	28	7.2	6138
2005	3	32	6	4	237	41	9.274	73	52.181	7/12/2005	9:14	0.3	26.5	5.9	6521
2005	3	33	6	4	236	41	9.79	73	52.202	7/12/2005	9:00	0.3	26.5	5.5	6511
2005	3	34	6	4	233	41	10.662	73	53.922	7/12/2005	8:40	0.3	26.2	6.6	5579
2005	3	35	4	2	230	41	10.59	73	56.39	7/12/2005	12:20	0.3	27.8	6.3	2490
2005	3	35	6	4	232	41	11.172	73	53.996	7/12/2005	8:35	0.3	26	6	5787
2005	3	35	6	4	274	41	11.17	73	53.71	7/12/2005	8:23	0.3	26.4	6	5740
2005	3	36	4	2	281	41	11.13	73	57.16	7/12/2005	12:29	0.3	27.2	6	2476
2005	3	36	6	4	228	41	12.25	73	53.5	7/12/2005	7:40	0.3	26	6.2	5456
2005	3	36	6	4	276	41	12.17	73	53.51	7/12/2005	8:05	0.3	26.2	6.2	5511
2005	3	39	4	2	216	41	13.48	73	57.84	7/12/2005	12:48	0.3	28.5	5.6	4558
2005	3	42	4	2	206	41	16.412	73	58.1	7/12/2005	13:05	0.3	28.8	5.7	4581
2005	3	43	6	2	204	41	16.693	73	56.484	7/12/2005	13:15	0.3	26.6	5.4	3896
2005	3	49	4	2	196	41	21.16	73	57.74	7/12/2005	13:45	0.3	26.3	5.6	876
2005	3	53	4	2	192	41	24.19	73	57.95	7/12/2005	13:55	0.3	26.4	5.2	349
2005	3	54	6	2	190	41	24.961	73	57.702	7/12/2005	14:25	0.3	26	5.7	348
2005	3	56	4	2	188	41	26.47	73	59.66	7/14/2005	15:50	0.3	26.3	6.4	270
2005	3	59	6	2	180	41	29.08	73	59.37	7/14/2005	15:16	0.3	27.3	6.6	326

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	3	59	6	2	181	41	29.04	73	59.33	7/14/2005	15:30	0.3	27.3	6.3	325
2005	3	62	6	4	170	41	31.8	73	58.98	7/14/2005	14:50	0.3	28.4	7	279
2005	3	64	4	4	163	41	33.48	73	59.05	7/14/2005	14:18	0.3	27.8	6.7	281
2005	3	64	4	4	164	41	33.37	73	59.18	7/14/2005	14:29	0.3	28.3	6.8	273
2005	3	66	4	4	160	41	34.777	73	57.753	7/14/2005	14:08	0.3	27.4	6	254
2005	3	69	6	4	156	41	37.03	73	56.88	7/14/2005	13:35	0.3	27.5	6.4	261
2005	3	69	6	4	157	41	36.97	73	56.85	7/14/2005	13:45	0.3	27.2	6.2	251
2005	3	72	6	4	152	41	39.77	73	56.55	7/14/2005	13:25	0.3	27.1	7.4	249
2005	3	74	6	4	149	41	41.064	73	56.289	7/14/2005	13:00	0.3	26.9	7.1	264
2005	3	77	6	4	140	41	44.56	73	56.17	7/14/2005	12:20	0.3	26	6.5	225
2005	3	77	6	4	141	41	44.46	73	56.21	7/14/2005	12:35	0.3	26.1	6.4	225
2005	3	80	6	4	137	41	46.14	73	56.82	7/14/2005	11:59	0.3	26	6	195
2005	3	81	4	4	135	41	47.474	73	57.457	7/14/2005	11:39	0.3	26.4	6	205
2005	3	82	4	4	134	41	48.51	73	57.22	7/14/2005	11:17	0.3	26.2	6.2	205
2005	3	83	4	4	133	41	48.74	73	57.19	7/14/2005	11:07	0.3	26.3	6.5	211
2005	3	84	6	4	130	41	50.19	73	56.63	7/14/2005	10:54	0.3	26.3	6.6	207
2005	3	85	6	4	127	41	51.18	73	56.5	7/14/2005	10:44	0.3	25.3	6.3	208
2005	3	86	4	4	126	41	51.44	73	56.97	7/14/2005	10:24	0.3	25.7	5.7	211
2005	3	86	6	4	125	41	51.75	73	55.89	7/14/2005	10:14	0.3	25.3	7.6	204
2005	3	88	6	2	122	41	53.023	73	56.214	7/14/2005	10:00	0.3	25.3	7.5	211
2005	3	89	6	2	121	41	53.84	73	57.04	7/14/2005	9:50	0.3	25.4	7	212
2005	3	90	6	2	120	41	54.02	73	57.2	7/14/2005	9:30	0.3	25.3	5.2	211
2005	3	92	4	2	118	41	56.32	73	58.1	7/14/2005	6:59	0.3	25	7	217
2005	3	93	4	2	116	41	57.05	73	57.77	7/14/2005	7:40	0.3	24.9	6.6	215
2005	3	93	6	2	117	41	57.036	73	56.721	7/14/2005	9:15	0.3	25	5.9	208
2005	3	94	4	2	113	41	58.38	73	57.25	7/14/2005	8:10	0.3	25.4	5.9	210
2005	3	94	4	2	115	41	57.78	73	57.47	7/14/2005	7:52	0.3	25.2	6	210
2005	3	95	4	2	111	41	59.083	73	57.079	7/14/2005	8:19	0.3	25.4	5.9	210
2005	3	95	6	2	112	41	58.238	73	56.123	7/14/2005	9:04	0.3	25.3	5.7	207
2005	3	96	4	2	105	42	0.22	73	56.65	7/13/2005	17:36	0.3	27.2	5.3	210
2005	3	96	4	2	108	41	59.76	73	56.81	7/14/2005	8:45	0.3	25.5	6.3	216
2005	3	96	4	2	110	41	59.4	73	56.94	7/14/2005	8:39	0.3	25.3	6.8	214
2005	3	97	4	2	102	42	0.83	73	56.38	7/13/2005	17:16	0.3	27.3	5.6	212
2005	3	97	4	2	103	42	0.5	73	56.51	7/13/2005	17:26	0.3	27.4	5.6	209
2005	3	98	4	2	100	42	1.67	73	56.54	7/13/2005	17:05	0.3	25.2	6.6	218
2005	3	98	4	2	101	42	1.426	73	56.456	7/13/2005	16:48	0.3	25.1	6.6	221
2005	3	99	6	2	99	42	2.02	73	55.73	7/13/2005	16:41	0.3	25.9	6.3	221
2005	3	105	4	2	97	42	7.68	73	55.13	7/13/2005	16:00	0.3	26.4	6.3	258
2005	3	105	4	2	98	42	7.33	73	55.3	7/13/2005	16:13	0.3	26	6.6	124
2005	3	106	4	2	96	42	8.147	73	54.796	7/13/2005	15:47	0.3	26.2	6.7	262
2005	3	108	6	4	94	42	9.56	73	53.18	7/13/2005	15:26	0.3	26.8	7	240
2005	3	114	4	4	81	42	14.39	73	50.549	7/13/2005	14:39	0.3	25.2	7	249
2005	3	114	4	4	82	42	14.31	73	50.58	7/13/2005	14:52	0.3	26.2	6.1	233

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	3	114	4	4	83	42	14.26	73	50.71	7/13/2005	15:08	0.3	27.2	5.7	230
2005	3	115	6	4	79	42	14.8	73	49	7/13/2005	14:06	0.3	26.1	6.2	236
2005	3	116	6	4	77	42	15.02	73	48.31	7/13/2005	13:56	0.3	25.9	6.7	225
2005	3	118	4	4	74	42	16.42	73	47.92	7/13/2005	13:46	0.3	25.4	6.3	247
2005	3	119	4	4	70	42	17.317	73	47.373	7/13/2005	12:56	0.3	25.7	5.8	245
2005	3	119	6	4	71	42	17.16	73	46.8	7/13/2005	13:09	0.3	26.4	6.9	239
2005	3	119	6	4	72	42	16.82	73	47.28	7/13/2005	13:27	0.3	26.3	6.3	239
2005	3	121	4	4	65	42	19.307	73	47.217	7/13/2005	12:23	0.3	25.8	6.3	246
2005	3	121	6	4	66	42	19.33	73	46.85	7/13/2005	12:30	0.3	25.2	7.2	249
2005	3	121	6	4	67	42	18.82	73	46.89	7/13/2005	12:40	0.3	25.6	5.8	245
2005	3	122	4	4	61	42	20.29	73	47.24	7/13/2005	11:50	0.3	25.6	6.4	247
2005	3	122	4	4	63	42	19.84	73	47.18	7/13/2005	12:04	0.3	25.5	7.2	246
2005	3	123	4	4	60	42	20.64	73	47.39	7/13/2005	11:40	0.3	25.5	5.6	246
2005	3	124	4	4	55	42	21.64	73	47.62	7/13/2005	11:00	0.3	24.5	7.1	253
2005	3	124	6	4	56	42	21.49	73	47.29	7/13/2005	11:12	0.3	25.3	6.4	249
2005	3	124	6	4	57	42	21.28	73	47.32	7/13/2005	11:26	0.3	25.2	6	250
2005	3	125	6	4	52	42	22.39	73	47.45	7/13/2005	10:50	0.3	24.6	6.2	254
2005	3	127	6	4	47	42	23.853	73	46.901	7/13/2005	10:35	0.3	24.3	6.2	255
2005	3	128	4	4	44	42	25	73	46.99	7/13/2005	10:16	0.3	24.6	6.4	254
2005	3	128	6	4	43	42	25.02	73	46.62	7/13/2005	10:06	0.3	24.4	6	255
2005	3	129	6	2	39	42	25.879	73	46.76	7/13/2005	10:00	0.3	24.4	6.4	249
2005	3	132	4	2	32	42	28.13	73	47.21	7/13/2005	9:45	0.3	24.2	6.7	242
2005	3	134	4	2	27	42	30.17	73	46.88	7/13/2005	9:21	0.3	24.2	6.4	243
2005	3	137	6	2	24	42	32.262	73	45.288	7/13/2005	9:11	0.3	23.2	6.3	244
2005	3	139	4	2	16	42	34.31	73	45.21	7/13/2005	8:30	0.3	24.2	6.4	236
2005	3	139	4	2	19	42	34.03	73	45.26	7/13/2005	8:56	0.3	24.2	5.7	238
2005	3	139	6	2	14	42	34.34	73	45.02	7/13/2005	8:00	0.3	23.8	5.7	238
2005	3	139	6	2	17	42	34.22	73	45.02	7/13/2005	8:40	0.3	24.2	5.8	238
2005	4	18	6	2	261	40	56.27	73	54.17	7/25/2005	11:29	0.3	26	5.7	14229
2005	4	19	6	2	259	40	57.735	73	53.561	7/25/2005	11:16	0.3	25.9	6	14239
2005	4	22	6	2	256	40	59.97	73	53.05	7/25/2005	10:40	0.3	26.2	6.3	13083
2005	4	23	6	2	254	41	1.086	73	52.681	7/25/2005	10:17	0.3	26.2	6.3	11372
2005	4	23	6	2	255	41	0.74	73	52.83	7/25/2005	10:30	0.3	26.4	6.5	11190
2005	4	26	4	2	246	41	3.6	73	55.2	7/25/2005	11:45	0.3	26.2	6.2	9234
2005	4	26	4	2	271	41	3.77	73	55.22	7/25/2005	11:59	0.3	26.5	6.7	9187
2005	4	26	6	2	247	41	3.891	73	52.077	7/25/2005	9:32	0.3	26.1	5.9	9584
2005	4	26	6	2	248	41	3.273	73	52.221	7/25/2005	9:42	0.3	25.8	6.3	11299
2005	4	26	6	2	249	41	2.67	73	52.3	7/25/2005	10:06	0.3	25.7	5.9	11282
2005	4	26	6	4	248	41	3.273	73	52.221	7/28/2005	11:25	0.3	27.3	6	11339
2005	4	26	6	4	249	41	2.67	73	52.3	7/28/2005	11:40	0.3	27.4	5.7	11344
2005	4	27	4	2	245	41	4.19	73	55.21	7/25/2005	12:09	0.3	27	6.1	8683
2005	4	27	4	4	272	41	4.49	73	55.14	7/28/2005	11:41	0.3	27.8	6.3	7715
2005	4	28	6	2	244	41	5.33	73	52.33	7/25/2005	9:20	0.3	26.2	6.2	9545

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	4	28	6	4	243	41	5.683	73	52.214	7/28/2005	11:00	0.3	27.5	6.2	9333
2005	4	28	6	4	244	41	5.33	73	52.33	7/28/2005	11:12	0.3	27.7	6	9324
2005	4	29	4	2	242	41	6.1	73	54.88	7/25/2005	12:39	0.3	27.1	6.3	8761
2005	4	30	4	2	241	41	7.14	73	54.77	7/28/2005	12:25	0.3	29.2	6.2	6895
2005	4	32	4	2	239	41	8.81	73	54.6	7/28/2005	12:59	0.3	29.6	7.3	6894
2005	4	32	4	2	240	41	8.48	73	54.42	7/28/2005	12:46	0.3	29.9	7	6943
2005	4	32	6	2	237	41	9.274	73	52.181	7/25/2005	8:43	0.3	25.9	6.3	7462
2005	4	32	6	2	238	41	8.85	73	52.123	7/25/2005	8:57	0.3	26	6.3	7612
2005	4	32	6	2	269	41	9.445	73	52.243	7/25/2005	8:28	0.3	26.4	5.8	7831
2005	4	32	6	4	237	41	9.274	73	52.181	7/28/2005	10:16	0.3	27.6	5.8	7992
2005	4	32	6	4	238	41	8.85	73	52.123	7/28/2005	10:41	0.3	27.8	6.8	8129
2005	4	32	6	4	269	41	9.445	73	52.243	7/28/2005	10:06	0.3	27.8	5.6	7847
2005	4	33	6	2	236	41	9.79	73	52.202	7/25/2005	7:55	0.3	26.3	5.8	7818
2005	4	33	6	4	236	41	9.79	73	52.202	7/28/2005	9:44	0.3	27.8	5.6	7837
2005	4	34	6	4	233	41	10.662	73	53.922	7/28/2005	9:13	0.3	27.6	6.5	6820
2005	4	34	6	4	234	41	10.19	73	53.93	7/28/2005	9:32	0.3	27.2	6.8	7057
2005	4	35	4	2	229	41	10.59	73	56.41	7/25/2005	13:10	0.3	29	6.4	5362
2005	4	35	4	2	230	41	10.59	73	56.39	7/25/2005	13:00	0.3	28.9	6.6	5383
2005	4	35	4	2	277	41	10.95	73	57.06	7/25/2005	13:20	0.3	29	6.2	5803
2005	4	35	6	4	231	41	11.23	73	53.69	7/28/2005	8:32	0.3	26.6	7	6797
2005	4	35	6	4	232	41	11.172	73	53.996	7/28/2005	8:42	0.3	27.8	7.3	6830
2005	4	35	6	4	275	41	11.31	73	53.54	7/28/2005	8:21	0.3	26.5	7.6	6820
2005	4	36	4	2	227	41	11.02	73	57.41	7/25/2005	13:41	0.3	29.1	5.9	5773
2005	4	36	4	2	281	41	11.13	73	57.16	7/25/2005	13:57	0.3	29.5	6.5	5963
2005	4	36	4	2	282	41	11.2	73	57.17	7/25/2005	14:07	0.3	29.4	6.4	5902
2005	4	36	6	2	228	41	12.25	73	53.5	7/28/2005	7:44	0.3	27.7	6.2	6665
2005	4	36	6	2	276	41	12.17	73	53.51	7/28/2005	8:04	0.3	27.9	5.5	5098
2005	4	37	4	2	225	41	12.096	73	57.458	7/25/2005	14:40	0.3	29.6	6.2	5842
2005	4	40	6	2	210	41	14.87	73	57.74	7/27/2005	16:05	0.3	30	6.2	3967
2005	4	40	6	2	213	41	14.64	73	57.15	7/27/2005	16:30	0.3	29.8	6.1	3991
2005	4	43	6	2	202	41	17.12	73	55.98	7/27/2005	15:36	0.3	29.4	5.1	3315
2005	4	43	6	2	205	41	16.413	73	56.551	7/27/2005	15:50	0.3	27.1	4.8	3966
2005	4	46	6	2	199	41	19.42	73	58.77	7/27/2005	15:16	0.3	29	6	2755
2005	4	49	4	2	196	41	21.16	73	57.74	7/27/2005	15:05	0.3	27.9	5.7	952
2005	4	51	6	2	195	41	22.87	73	50.61	7/27/2005	14:41	0.3	25.1	5.7	981
2005	4	52	6	2	193	41	24.12	73	57.31	7/27/2005	14:31	0.3	24.8	5.5	953
2005	4	53	4	2	192	41	24.19	73	57.95	7/27/2005	14:20	0.3	25.1	5.6	951
2005	4	53	6	2	191	41	24.882	73	57.554	7/27/2005	13:57	0.3	30.8	7	741
2005	4	56	4	4	188	41	26.47	73	59.66	7/27/2005	13:30	0.3	28.8	6.3	401
2005	4	58	6	4	182	41	28.2	73	59.12	7/27/2005	13:13	0.3	29.4	7.3	476
2005	4	59	6	4	178	41	29.25	73	59.32	7/27/2005	12:31	0.3	28.4	5.2	385
2005	4	59	6	4	179	41	29.24	73	59.34	7/27/2005	12:41	0.3	28.7	5.3	392
2005	4	59	6	4	181	41	29.04	73	59.33	7/27/2005	12:59	0.3	28.8	5.8	388

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	4	60	6	4	177	41	29.52	73	59.24	7/27/2005	12:21	0.3	28.5	5.4	385
2005	4	63	6	4	167	41	32.41	73	58.61	7/27/2005	11:53	0.3	25.4	5.9	343
2005	4	64	4	4	164	41	33.37	73	59.18	7/27/2005	11:40	0.3	29.5	6.2	254
2005	4	66	4	4	160	41	34.777	73	57.753	7/27/2005	11:40	0.3	29.5	6.2	253
2005	4	68	4	4	159	41	36.49	73	57.64	7/27/2005	10:50	0.3	24.4	6	317
2005	4	69	4	4	155	41	37.44	73	57.43	7/27/2005	10:30	0.3	24.2	6.6	313
2005	4	77	6	4	140	41	44.56	73	56.17	7/27/2005	9:18	0.3	23.3	5.3	300
2005	4	77	6	4	143	41	43.83	73	56.16	7/27/2005	9:48	0.3	23.3	5.6	300
2005	4	82	4	2	134	41	48.51	73	57.22	7/27/2005	9:01	0.3	26.2	5.7	250
2005	4	84	4	2	129	41	50.61	73	57.28	7/27/2005	8:23	0.3	23.4	6	303
2005	4	84	6	2	130	41	50.19	73	56.63	7/27/2005	8:44	0.3	23.4	6	308
2005	4	86	6	2	125	41	51.75	73	55.89	7/27/2005	8:13	0.3	23.2	5.9	248
2005	4	89	6	2	121	41	53.84	73	57.04	7/27/2005	7:56	0.3	23.5	5.8	304
2005	4	90	6	2	120	41	54.02	73	57.2	7/27/2005	7:40	0.3	23.5	5.8	300
2005	4	92	4	2	118	41	56.32	73	58.1	7/27/2005	7:01	0.3	26.4	6.2	261
2005	4	93	4	2	116	41	57.05	73	57.77	7/27/2005	7:20	0.3	23.2	6.3	332
2005	4	94	4	2	113	41	58.38	73	57.25	7/26/2005	17:00	0.3	23.4	5.7	328
2005	4	95	4	2	111	41	59.083	73	57.079	7/26/2005	16:41	0.3	23.6	5.9	332
2005	4	96	4	2	105	42	0.22	73	56.65	7/26/2005	16:21	0.3	25.9	7	321
2005	4	96	4	2	108	41	59.76	73	56.81	7/26/2005	16:35	0.3	23.8	7.1	325
2005	4	97	4	2	102	42	0.83	73	56.38	7/26/2005	15:58	0.3	23.4	5.8	334
2005	4	97	4	2	103	42	0.5	73	56.51	7/26/2005	16:08	0.3	26.2	6	301
2005	4	98	4	2	101	42	1.426	73	56.456	7/26/2005	15:40	0.3	23.4	5.7	335
2005	4	99	6	2	99	42	2.02	73	55.73	7/26/2005	15:30	0.3	27.3	5	256
2005	4	106	4	2	96	42	8.147	73	54.796	7/26/2005	14:54	0.3	28.6	6.9	307
2005	4	114	4	4	81	42	14.39	73	50.549	7/26/2005	14:00	0.3	29.1	5.6	258
2005	4	114	4	4	83	42	14.26	73	50.71	7/26/2005	14:15	0.3	28.5	7.1	261
2005	4	116	6	4	77	42	15.02	73	48.31	7/26/2005	13:23	0.3	28.5	7.4	271
2005	4	117	4	4	76	42	15.84	73	47.69	7/26/2005	12:59	0.3	27.5	5.9	275
2005	4	119	4	4	70	42	17.317	73	47.373	7/26/2005	12:42	0.3	27.7	7.1	270
2005	4	121	4	4	68	42	18.53	73	47.1	7/26/2005	12:16	0.3	27.2		270
2005	4	121	6	4	66	42	19.33	73	46.85	7/26/2005	12:06	0.3	27.3	7.4	269
2005	4	123	4	4	59					7/26/2005	11:41	0.3	27.2	7.1	269
2005	4	124	6	4	56	42	21.49	73	47.29	7/26/2005	11:20	0.3	27.2	7	270
2005	4	124	6	4	57	42	21.28	73	47.32	7/26/2005	11:31	0.3	26.4	7.7	274
2005	4	134	4	4	28	42	30.027	73	46.913	7/26/2005	10:53	0.3	26.6	7.6	274
2005	4	135	4	4	26	42	30.91	73	46.27	7/26/2005	10:33	0.3	27.2	7.3	256
2005	4	145	6	2	4	42	39.51	73	44.09	7/26/2005	9:24	0.3	26.7	6.1	236
2005	4	145	6	2	5	42	39.19	73	44.41	7/26/2005	9:34	0.3	26.3	6.1	236
2005	4	148	6	2	3	42	41.41	73	42.584	7/26/2005	9:10	0.3	25.8	5.2	229
2005	4	149	6	2	2	42	42	73	42.07	7/26/2005	9:00	0.3	26	5.9	214
2005	4	151	4	2	1	42	44.51	73	41.196	7/26/2005	8:41	0.3	26.6	6.6	222
2005	5	18	6	4	261	40	56.27	73	54.17	8/11/2005	11:12	0.3	27.1	6.6	17130

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	5	19	6	4	259	40	57.735	73	53.561	8/11/2005	11:00	0.3	27	6	16486
2005	5	22	6	4	256	40	59.97	73	53.05	8/11/2005	10:42	0.3	27.3	6.5	15369
2005	5	23	6	4	254	41	1.086	73	52.681	8/11/2005	10:10	0.3	27	6.3	14851
2005	5	23	6	4	255	41	0.74	73	52.83	8/11/2005	10:31	0.3	27	6.2	14478
2005	5	26	6	4	247	41	3.891	73	52.077	8/11/2005	9:43	0.3	26.7	6.1	14990
2005	5	26	6	4	249	41	2.67	73	52.3	8/11/2005	10:00	0.3	27	6.1	14707
2005	5	26	6	4	248	41	3.273	73	52.221	8/12/2005	9:06	0.3	27.5	5.3	15704
2005	5	26	6	4	249	41	2.67	73	52.3	8/12/2005	9:25	0.3	27.5	5.7	15240
2005	5	27	4	2	272	41	4.49	73	55.14	8/11/2005	11:56	0.3	29.4	6	12068
2005	5	28	6	4	243	41	5.683	73	52.214	8/11/2005	9:18	0.3	26.7	6.1	12450
2005	5	28	6	4	244	41	5.33	73	52.33	8/11/2005	9:36	0.3	27	6.1	12766
2005	5	28	6	4	243	41	5.683	73	52.214	8/12/2005	8:45	0.3	26.9	5.8	12917
2005	5	28	6	4	244	41	5.33	73	52.33	8/12/2005	8:57	0.3	27	5.9	12900
2005	5	29	4	4	242	41	6.1	73	54.88	8/12/2005	9:50	0.3	28.3		11120
2005	5	30	4	2	241	41	7.14	73	54.77	8/11/2005	12:11	0.3	29.1	7	11555
2005	5	30	4	4	241	41	7.14	73	54.77	8/12/2005	10:06	0.3	29.1	7.1	10538
2005	5	31	4	2	283	41	8.34	73	54.4	8/11/2005	12:30	0.3	30.4	7	9604
2005	5	32	4	2	240	41	8.48	73	54.42	8/11/2005	12:40	0.3	29.4	7.1	9983
2005	5	32	4	2	239	41	8.81	73	54.6	8/12/2005	10:36	0.3	29.7	7	9968
2005	5	32	4	2	240	41	8.48	73	54.42	8/12/2005	10:20	0.3	29.4	7	9418
2005	5	32	6	4	237	41	9.274	73	52.181	8/11/2005	8:34	0.3	27.2	6.2	10800
2005	5	32	6	4	238	41	8.85	73	52.123	8/11/2005	8:58	0.3	27.3	5.9	10873
2005	5	32	6	4	269	41	9.445	73	52.243	8/11/2005	8:24	0.3	26.7	5.6	10641
2005	5	32	6	4	237	41	9.274	73	52.181	8/12/2005	8:06	0.3	27.6	5.4	11232
2005	5	32	6	4	238	41	8.85	73	52.123	8/12/2005	8:27	0.3	27.6	5.3	11128
2005	5	32	6	4	269	41	9.445	73	52.243	8/12/2005	7:50	0.3	27.5	4	11558
2005	5	33	6	4	236	41	9.79	73	52.202	8/11/2005	8:00	0.3	26.8	5.5	10658
2005	5	33	6	4	236	41	9.79	73	52.202	8/12/2005	7:30	0.3	27.1	5	11614
2005	5	34	6	2	233	41	10.662	73	53.922	8/11/2005	14:20	0.3	29.6	7	9135
2005	5	34	6	4	235	41	10.632	73	52.59	8/11/2005	7:50	0.3	26.8	5.6	10629
2005	5	35	4	2	229	41	10.59	73	56.41	8/11/2005	13:06	0.3	30.2	7	8962
2005	5	35	4	2	230	41	10.59	73	56.39	8/11/2005	12:56	0.3	31.2	6.5	7712
2005	5	35	4	2	277	41	10.95	73	57.06	8/11/2005	13:19	0.3	30.4	7.2	8935
2005	5	35	6	2	231	41	11.23	73	53.69	8/11/2005	14:55	0.3	31.5	7	9158
2005	5	35	6	2	232	41	11.172	73	53.996	8/11/2005	14:32	0.3	29.6	7	9162
2005	5	35	6	2	274	41	11.17	73	53.71	8/11/2005	14:45	0.3	32.1	7.1	9134
2005	5	35	6	2	275	41	11.31	73	53.54	8/11/2005	15:05	0.3	31.9	7	9128
2005	5	36	4	2	227	41	11.02	73	57.41	8/11/2005	13:30	0.3	30.5	7	8516
2005	5	36	4	2	281	41	11.13	73	57.16	8/11/2005	13:40	0.3	30.5	6.9	8721
2005	5	36	4	2	282	41	11.2	73	57.17	8/11/2005	13:54	0.3	30.3	6.9	8774
2005	5	36	6	2	228	41	12.25	73	53.5	8/11/2005	15:43	0.3	31.5	6.9	8931
2005	5	36	6	2	276	41	12.17	73	53.51	8/11/2005	15:20	0.3	31.9	7	8894
2005	5	39	6	2	217	41	14.098	73	56.682	8/11/2005	16:00	0.3	31.4	7	8065

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	5	40	4	2	209	41	14.97	73	58	8/11/2005	17:42	0.3	30.1	5.9	6241
2005	5	41	6	2	208	41	15.72	73	50.84	8/11/2005	17:22	0.3	30.4	6	6409
2005	5	43	6	2	204	41	16.693	73	56.484	8/11/2005	16:45	0.3	30	5.6	5174
2005	5	44	6	2	201	41	17.74	73	56.87	8/11/2005	17:03	0.3	29.2	5.4	7398
2005	5	49	4	4	196	41	21.16	73	57.74	8/10/2005	17:45	0.3	28.8	4.8	4637
2005	5	53	4	4	192	41	24.19	73	57.95	8/10/2005	17:05	0.3	28.1	4.7	3797
2005	5	53	6	4	191	41	24.882	73	57.554	8/10/2005	16:43	0.3	29.2	6.9	2403
2005	5	54	6	2	190	41	24.961	73	57.702	8/10/2005	16:27	0.3	28.3	5.5	2208
2005	5	55	6	2	189	41	25.66	73	58.14	8/10/2005	16:00	0.3	28.5	5.5	2199
2005	5	56	4	2	188	41	26.47	73	59.66	8/10/2005	15:56	0.3	28.9	5.1	1284
2005	5	57	4	2	185	41	27.68	74	0.73	8/10/2005	15:08	0.3	30	6.2	772
2005	5	57	4	2	186	41	27.28	74	0.8	8/10/2005	15:27	0.3	29.4	6.7	787
2005	5	59	6	2	179	41	29.24	73	59.34	8/10/2005	14:50	0.3	29	6.5	694
2005	5	60	6	2	177	41	29.52	73	59.24	8/10/2005	14:33	0.3	29.1	6.3	685
2005	5	61	4	2	174	41	31.15	74	0.37	8/10/2005	14:10	0.3	29.9	6.1	276
2005	5	63	6	2	168	41	32.3	73	58.633	8/10/2005	13:33	0.3	30.7	6.4	315
2005	5	69	4	2	155	41	37.44	73	57.43	8/10/2005	12:50	0.3	29.5	6.1	231
2005	5	69	6	2	156	41	37.03	73	56.88	8/10/2005	13:09	0.3	29.2	6.2	233
2005	5	72	6	2	152	41	39.77	73	56.55	8/10/2005	12:19	0.3	28.3	5.5	236
2005	5	74	6	2	148	41	41.15	73	56.31	8/10/2005	11:50	0.3	29.1	7.3	239
2005	5	77	6	2	140	41	44.56	73	56.17	8/10/2005	10:54	0.3	27.4	6	238
2005	5	77	6	2	143	41	43.83	73	56.16	8/10/2005	11:22	0.3	27.5	5.7	239
2005	5	81	4	2	135	41	47.474	73	57.457	8/10/2005	10:27	0.3	27.9	6.1	244
2005	5	82	4	4	134	41	48.51	73	57.22	8/10/2005	9:48	0.3	27.3	5.9	249
2005	5	83	4	4	133	41	48.74	73	57.19	8/10/2005	9:12	0.3	27.3	5.9	249
2005	5	86	4	4	124	41	51.95	73	56.84	8/10/2005	8:20	0.3	26.3	5.7	253
2005	5	86	6	4	125	41	51.75	73	55.89	8/10/2005	8:40	0.3	26.5	5.7	252
2005	5	89	6	4	121	41	53.84	73	57.04	8/10/2005	8:00	0.3	26.8	5.6	253
2005	5	90	6	4	120	41	54.02	73	57.2	8/10/2005	7:50	0.3	26.5	6.1	255
2005	5	92	4	4	118	41	56.32	73	58.1	8/10/2005	7:30	0.3	26.3	6.3	272
2005	5	94	4	2	115	41	57.78	73	57.47	8/9/2005	19:22	0.3	27.3	6.7	264
2005	5	95	4	2	111	41	59.083	73	57.079	8/9/2005	18:39	0.3	27.4	6.9	265
2005	5	96	4	2	110	41	59.4	73	56.94	8/9/2005	18:22	0.3	27.4	6	265
2005	5	97	4	2	102	42	0.83	73	56.38	8/9/2005	18:04	0.3	27.4	7.4	264
2005	5	97	4	2	103	42	0.5	73	56.51	8/9/2005	18:12	0.3	27.9	7.6	265
2005	5	98	4	2	100	42	1.67	73	56.54	8/9/2005	17:34	0.3	27.5	6.8	268
2005	5	98	4	2	101	42	1.426	73	56.456	8/9/2005	17:53	0.3	27.5	6.7	267
2005	5	99	6	2	99	42	2.02	73	55.73	8/9/2005	17:13	0.3	27.9	6.1	262
2005	5	105	4	2	98	42	7.33	73	55.3	8/9/2005	16:30	0.3	27.9	6	263
2005	5	114	4	2	81	42	14.39	73	50.549	8/9/2005	16:01	0.3	28.7	6.8	275
2005	5	115	6	2	79	42	14.8	73	49	8/9/2005	14:45	0.3	29	5.2	276
2005	5	116	6	2	77	42	15.02	73	48.31	8/9/2005	14:10	0.3	30.1	7	274
2005	5	119	6	4	72	42	16.82	73	47.28	8/9/2005	13:35	0.3	28.4	6.7	198

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2005	5	121	4	4	68	42	18.53	73	47.1	8/9/2005	13:14	0.3	28.1	6.8	264
2005	5	122	4	4	61	42	20.29	73	47.24	8/9/2005	12:10	0.3	28	7	229
2005	5	122	4	4	63	42	19.84	73	47.18	8/9/2005	12:43	0.3	28.5	5.7	263
2005	5	122	6	4	62	42	20.105	73	46.848	8/9/2005	12:25	0.3	28	7.1	234
2005	5	122	6	4	64	42	19.9	73	46.8	8/9/2005	13:02	0.3	28.4	6.6	263
2005	5	124	6	4	56	42	21.49	73	47.29	8/9/2005	11:50	0.3	27.7	6.5	263
2005	5	125	6	4	52	42	22.39	73	47.45	8/9/2005	11:13	0.3	27.7	7.5	263
2005	5	126	4	4	49	42	23.4	73	47.52	8/9/2005	11:03	0.3	27.8	7.4	256
2005	5	129	6	4	38	42	26.05	73	46.82	8/9/2005	10:30	0.3	27	6	258
2005	5	131	4	4	33	42	28.06	73	47.13	8/9/2005	10:01	0.3	27	7	265
2005	5	134	4	4	27	42	30.17	73	46.88	8/9/2005	9:17	0.3	27	6.5	264
2005	5	139	4	4	18	42	34.14	73	45.24	8/9/2005	8:50	0.3	27	6.5	251
2005	5	139	4	4	19	42	34.03	73	45.26	8/9/2005	9:00	0.3	27	5.9	252
2005	6	15	4	2	263	40	54.252	73	55.961	8/22/2005	11:40	0.3	26.8	4.9	23389
2005	6	18	4	2	260	40	56.889	73	55.1	8/22/2005	12:21	0.3	26.8	5.5	21075
2005	6	18	6	2	261	40	56.27	73	54.17	8/22/2005	12:02	0.3	26.5	5.4	22547
2005	6	22	6	2	256	40	59.97	73	53.05	8/22/2005	12:39	0.3	27.1	6.1	18972
2005	6	23	6	2	255	41	0.74	73	52.83	8/22/2005	12:56	0.3	27.2	6.1	18924
2005	6	24	6	2	253	41	1.169	73	52.711	8/22/2005	13:05	0.3	27.2	6.1	18800
2005	6	26	4	2	246	41	3.6	73	55.2	8/22/2005	10:50	0.3	27.2	6.4	14667
2005	6	26	6	2	247	41	3.891	73	52.077	8/22/2005	13:33	0.3	27.7	6.2	15584
2005	6	26	6	2	248	41	3.273	73	52.221	8/22/2005	13:23	0.3	28	6.1	15929
2005	6	26	6	4	248	41	3.273	73	52.221	8/25/2005	11:30	0.3	25.7	7.3	16251
2005	6	26	6	4	249	41	2.67	73	52.3	8/25/2005	11:40	0.3	25.8	7.2	16208
2005	6	27	4	2	272	41	4.49	73	55.14	8/22/2005	10:30	0.3	27.3	6.6	14589
2005	6	27	4	2	272	41	4.49	73	55.14	8/25/2005	12:00	0.3	25.3	7.1	13860
2005	6	28	6	2	244	41	5.33	73	52.33	8/22/2005	13:50	0.3	28.1	6.5	15523
2005	6	28	6	4	243	41	5.683	73	52.214	8/25/2005	11:00	0.3	24.7	7.6	14392
2005	6	28	6	4	244	41	5.33	73	52.33	8/25/2005	11:14	0.3	24.9	7.6	14373
2005	6	29	4	2	242	41	6.1	73	54.88	8/22/2005	10:17	0.3	27	7.1	14086
2005	6	29	4	2	242	41	6.1	73	54.88	8/25/2005	12:22	0.3	25.6	7	11817
2005	6	30	4	2	241	41	7.14	73	54.77	8/22/2005	9:30	0.3	27.3	7	13857
2005	6	31	4	2	283	41	8.34	73	54.4	8/22/2005	9:18	0.3	27.4	6	13165
2005	6	31	4	2	283	41	8.34	73	54.4	8/25/2005	12:35	0.3	27.1	7.1	12062
2005	6	32	4	2	239	41	8.81	73	54.6	8/22/2005	9:00	0.3	27.4	6	13089
2005	6	32	4	2	240	41	8.48	73	54.42	8/25/2005	12:47	0.3	27.1	7.5	12072
2005	6	32	6	2	237	41	9.274	73	52.181	8/22/2005	14:15	0.3	27.9	6.4	13192
2005	6	32	6	4	237	41	9.274	73	52.181	8/25/2005	10:30	0.3	25.6	6.9	12555
2005	6	32	6	4	238	41	8.85	73	52.123	8/25/2005	10:45	0.3	26	6.6	12590
2005	6	32	6	4	269	41	9.445	73	52.243	8/25/2005	10:11	0.3	24.5	7.5	12731
2005	6	33	6	2	236	41	9.79	73	52.202	8/22/2005	14:30	0.3	27.8	6.4	13209
2005	6	33	6	4	236	41	9.79	73	52.202	8/25/2005	9:50	0.3	24.3	7.1	12834
2005	6	34	6	4	233	41	10.662	73	53.922	8/25/2005	9:20	0.3	24.5	6.7	11966

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	6	34	6	4	234	41	10.19	73	53.93	8/25/2005	9:34	0.3	24.5	6.7	11936
2005	6	35	4	2	229	41	10.59	73	56.41	8/25/2005	13:01	0.3	27.3	6.2	10170
2005	6	35	4	2	230	41	10.59	73	56.39	8/25/2005	13:11	0.3	27.8	5.8	10048
2005	6	35	4	2	277	41	10.95	73	57.06	8/25/2005	13:21	0.3	27.6	7.2	10212
2005	6	35	6	4	231	41	11.23	73	53.69	8/25/2005	8:35	0.3	23.9	5	11850
2005	6	35	6	4	232	41	11.172	73	53.996	8/25/2005	9:10	0.3	24.6	7.5	11911
2005	6	35	6	4	274	41	11.17	73	53.71	8/25/2005	8:50	0.3	24.6	7.6	11901
2005	6	35	6	4	275	41	11.31	73	53.54	8/25/2005	8:15	0.3	24.2	6.1	11888
2005	6	36	4	2	227	41	11.02	73	57.41	8/25/2005	13:41	0.3	27.8	7.5	10189
2005	6	36	4	2	281	41	11.13	73	57.16	8/25/2005	13:54	0.3	27.5	5.9	10299
2005	6	36	4	2	282	41	11.2	73	57.17	8/25/2005	14:20	0.3	27.5	6.3	10289
2005	6	36	6	4	228	41	12.25	73	53.5	8/25/2005	7:30	0.3	24.5	5.5	11604
2005	6	36	6	4	276	41	12.17	73	53.51	8/25/2005	8:00	0.3	24.4	5	11597
2005	6	39	4	2	215	41	13.62	73	58.34	8/24/2005	16:01	0.3	27.5	6.4	8519
2005	6	40	6	2	210	41	14.87	73	57.74	8/24/2005	15:45	0.3	28.8	6.1	8298
2005	6	43	6	2	203	41	16.91	73	56.26	8/24/2005	15:32	0.3	28	6	6840
2005	6	44	6	2	201	41	17.74	73	56.87	8/24/2005	15:23	0.3	27	6.7	6436
2005	6	46	6	2	199	41	19.42	73	58.77	8/24/2005	15:12	0.3	27.1	6.8	4962
2005	6	49	4	2	196	41	21.16	73	57.74	8/24/2005	14:39	0.3	27	6	3688
2005	6	52	6	2	193	41	24.12	73	57.31	8/24/2005	14:06	0.3	26.7	6.4	2831
2005	6	52	6	2	194	41	24.12	73	56.81	8/24/2005	14:19	0.3	26.8	6.1	3233
2005	6	53	4	2	192	41	24.19	73	57.95	8/24/2005	13:56	0.3	26.9	6.4	2708
2005	6	55	6	2	189	41	25.66	73	58.14	8/24/2005	13:33	0.3	26.7	7.2	3537
2005	6	56	4	2	187	41	26.83	74	0.5	8/24/2005	12:39	0.3	27	7.5	1784
2005	6	56	4	2	188	41	26.47	73	59.66	8/24/2005	12:53	0.3	26.4	7.6	1878
2005	6	58	6	2	182	41	28.2	73	59.12	8/24/2005	12:20	0.3	26.3	7	1630
2005	6	59	6	2	178	41	29.25	73	59.32	8/24/2005	11:53	0.3	26.4	6.5	1510
2005	6	59	6	2	181	41	29.04	73	59.33	8/24/2005	12:09	0.3	26.4	6.5	1568
2005	6	60	6	2	177	41	29.52	73	59.24	8/24/2005	11:45	0.3	26.2	6.4	1502
2005	6	62	4	4	171	41	32.19	73	59.91	8/24/2005	11:13	0.3	27.3	6.9	770
2005	6	64	4	4	163	41	33.48	73	59.05	8/24/2005	10:53	0.3	27.4	7.3	754
2005	6	69	4	4	155	41	37.44	73	57.43	8/24/2005	10:12	0.3	26.9	6.9	258
2005	6	69	6	4	157	41	36.97	73	56.85	8/24/2005	10:22	0.3	27.3	6.3	257
2005	6	74	4	4	147	41	41.29	73	56.8	8/24/2005	9:50	0.3	26.5	6.3	261
2005	6	77	6	4	142	41	43.92	73	56.14	8/24/2005	9:24	0.3	25.2	6.8	263
2005	6	80	6	4	137	41	46.14	73	56.82	8/24/2005	9:16	0.3	24.9	6.3	261
2005	6	82	4	4	134	41	48.51	73	57.22	8/24/2005	8:49	0.3	25.6	6.1	263
2005	6	83	4	4	131	41	49.33	73	57.31	8/24/2005	8:26	0.3	25	6.3	273
2005	6	84	4	4	129	41	50.61	73	57.28	8/24/2005	8:05	0.3	25.2	7	268
2005	6	86	6	4	125	41	51.75	73	55.89	8/24/2005	7:50	0.3	24.9	6.5	271
2005	6	88	6	4	122	41	53.023	73	56.214	8/24/2005	7:36	0.3	24.6	6.3	270
2005	6	90	6	4	120	41	54.02	73	57.2	8/24/2005	7:20	0.3	25	6.6	269
2005	6	92	4	2	118	41	56.32	73	58.1	8/23/2005	16:02	0.3	26.9	8.1	260

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	6	93	4	2	116	41	57.05	73	57.77	8/23/2005	15:48	0.3	26.1	6.8	277
2005	6	94	4	2	113	41	58.38	73	57.25	8/23/2005	15:19	0.3	26.6	8.4	273
2005	6	94	4	2	115	41	57.78	73	57.47	8/23/2005	15:31	0.3	27	8	267
2005	6	95	4	2	111	41	59.083	73	57.079	8/23/2005	15:08	0.3	27.4	9.1	267
2005	6	96	4	2	105	42	0.22	73	56.65	8/23/2005	14:21	0.3	27.3	7.9	267
2005	6	96	4	2	110	41	59.4	73	56.94	8/23/2005	15:02	0.3	27.4	9.1	266
2005	6	97	4	2	103	42	0.5	73	56.51	8/23/2005	13:58	0.3	27.9	8	269
2005	6	98	4	4	100	42	1.67	73	56.54	8/23/2005	13:14	0.3	25.8	8.1	274
2005	6	98	4	4	101	42	1.426	73	56.456	8/23/2005	13:38	0.3	25.7	7.3	270
2005	6	99	6	4	99	42	2.02	73	55.73	8/23/2005	12:57	0.3	25.6	6.8	276
2005	6	114	4	4	82	42	14.31	73	50.58	8/23/2005	11:33	0.3	25.6	6.7	270
2005	6	114	6	4	85	42	13.54	73	50.75	8/23/2005	11:47	0.3	25.3	6.7	277
2005	6	115	6	4	80	42	14.8	73	49.1	8/23/2005	11:23	0.3	25.6	6.8	267
2005	6	116	6	4	77	42	15.02	73	48.31	8/23/2005	11:05	0.3	25.7	6.5	265
2005	6	118	4	4	74	42	16.42	73	47.92	8/23/2005	10:57	0.3	25.7	6.5	272
2005	6	119	6	4	69	42	17.29	73	46.78	8/23/2005	10:45	0.3	25.3	6.8	267
2005	6	121	6	4	67	42	18.82	73	46.89	8/23/2005	10:37	0.3	25.2	6.9	272
2005	6	122	6	4	62	42	20.105	73	46.848	8/23/2005	10:22	0.3	25.9	6.7	271
2005	6	123	4	4	59					8/23/2005	10:07	0.3	25.3	6.8	265
2005	6	124	6	4	56	42	21.49	73	47.29	8/23/2005	9:55	0.3	25.1	6.8	272
2005	6	127	4	4	46	42	24.35	73	47.08	8/23/2005	9:32	0.3	25.6	6.6	268
2005	6	128	4	4	44	42	25	73	46.99	8/23/2005	9:20	0.3	24.7	6.8	264
2005	6	129	6	4	39	42	25.879	73	46.76	8/23/2005	9:11	0.3	24.7	6.9	267
2005	6	131	4	2	33	42	28.06	73	47.13	8/23/2005	8:37	0.3	24.7	7	271
2005	6	131	4	4	35	42	27.8	73	47.1	8/23/2005	8:57	0.3	24.6	6.8	265
2005	6	132	4	2	30					8/23/2005	8:25	0.3	24.9	7.1	272
2005	6	134	4	2	28	42	30.027	73	46.913	8/23/2005	8:15	0.3	24.8	7.1	270
2005	7	18	4	2	260	40	56.889	73	55.1	9/8/2005	13:26	0.3	25.4	6.1	19661
2005	7	18	6	2	261	40	56.27	73	54.17	9/8/2005	13:40	0.3	25.7	5.7	20660
2005	7	19	6	2	259	40	57.735	73	53.561	9/8/2005	13:08	0.3	25.8	5.8	18442
2005	7	20	6	2	258	40	57.73	73	53.661	9/8/2005	12:58	0.3	25.9	6	16273
2005	7	23	6	2	255	41	0.74	73	52.83	9/8/2005	12:38	0.3	25.7	6.7	16369
2005	7	24	6	4	252	41	2.057	73	52.505	9/9/2005	9:58	0.3	24.6	6	16451
2005	7	25	6	4	251	41	2.46	73	52.42	9/9/2005	9:40	0.3	24.5	6	16475
2005	7	26	6	2	247	41	3.891	73	52.077	9/8/2005	11:59	0.3	25.6	6.7	12663
2005	7	26	6	2	248	41	3.273	73	52.221	9/8/2005	12:06	0.3	26.1	6.4	14200
2005	7	26	6	2	249	41	2.67	73	52.3	9/8/2005	12:28	0.3	26	6.4	14581
2005	7	26	6	4	249	41	2.67	73	52.3	9/9/2005	9:30	0.3	24.4	6.3	13765
2005	7	28	6	2	243	41	5.683	73	52.214	9/8/2005	11:30	0.3	25.6	6.6	12742
2005	7	28	6	2	244	41	5.33	73	52.33	9/8/2005	11:40	0.3	25.6	6.9	12673
2005	7	28	6	4	244	41	5.33	73	52.33	9/9/2005	9:10	0.3	24.1	6.6	13800
2005	7	29	4	2	242	41	6.1	73	54.88	9/9/2005	10:15	0.3	23.9	7	10841
2005	7	30	4	2	241	41	7.14	73	54.77	9/9/2005	10:33	0.3	23.9	7	12726

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2005	7	31	4	2	283	41	8.34	73	54.4	9/8/2005	14:00	0.3	26	7.4	12707
2005	7	31	4	2	283	41	8.34	73	54.4	9/9/2005	10:44	0.3	25.9	6.4	9818
2005	7	32	4	2	239	41	8.81	73	54.6	9/8/2005	14:25	0.3	26	7.4	11906
2005	7	32	4	2	240	41	8.48	73	54.42	9/8/2005	14:10	0.3	25.6	7.5	12890
2005	7	32	4	2	239	41	8.81	73	54.6	9/9/2005	11:09	0.3	25.8	6.5	9829
2005	7	32	6	2	237	41	9.274	73	52.181	9/8/2005	11:02	0.3	25.9	6.3	11246
2005	7	32	6	2	238	41	8.85	73	52.123	9/8/2005	11:12	0.3	25.8	6.4	11357
2005	7	32	6	2	269	41	9.445	73	52.243	9/8/2005	10:49	0.3	25.8	6.8	11348
2005	7	32	6	4	237	41	9.274	73	52.181	9/9/2005	8:30	0.3	24.9	5.6	11289
2005	7	32	6	4	238	41	8.85	73	52.123	9/9/2005	8:53	0.3	24.9	5.3	11409
2005	7	32	6	4	269	41	9.445	73	52.243	9/9/2005	8:10	0.3	24.4	4.5	11648
2005	7	33	6	2	236	41	9.79	73	52.202	9/8/2005	10:20	0.3	25.7	5.8	11332
2005	7	33	6	4	236	41	9.79	73	52.202	9/9/2005	7:45	0.3	24.4	4.6	11617
2005	7	34	6	4	234	41	10.19	73	53.93	9/8/2005	9:58	0.3	25.4	7.1	10394
2005	7	34	6	2	235	41	10.632	73	52.59	9/8/2005	10:10	0.3	25.6	6.2	11374
2005	7	35	4	2	229	41	10.59	73	56.41	9/8/2005	14:55	0.3	27.5	6.5	9390
2005	7	35	4	2	230	41	10.59	73	56.39	9/8/2005	14:46	0.3	27.6	7.4	9305
2005	7	35	4	2	277	41	10.95	73	57.06	9/8/2005	15:04	0.3	28.1	7	8556
2005	7	35	6	4	231	41	11.23	73	53.69	9/8/2005	9:12	0.3	23.9	5.8	10270
2005	7	35	6	4	232	41	11.172	73	53.996	9/8/2005	9:40	0.3	25.2	5.2	10377
2005	7	35	6	4	274	41	11.17	73	53.71	9/8/2005	9:22	0.3	23.8	5.8	10516
2005	7	35	6	4	275	41	11.31	73	53.54	9/8/2005	9:01	0.3	24.3		10358
2005	7	36	4	2	227	41	11.02	73	57.41	9/8/2005	15:11	0.3	28.2	6.9	8539
2005	7	36	4	2	281	41	11.13	73	57.16	9/8/2005	15:23	0.3	28.1	6.6	8631
2005	7	36	6	4	228	41	12.25	73	53.5	9/8/2005	8:31	0.3	23.9	4.5	9659
2005	7	36	6	4	276	41	12.17	73	53.51	9/8/2005	8:51	0.3	24.1	5.4	9487
2005	7	37	4	2	225	41	12.096	73	57.458	9/8/2005	15:50	0.3	28.1	7	8631
2005	7	39	6	2	218	41	14.02	73	56.4	9/7/2005	16:50	0.3	28	7.1	8461
2005	7	40	6	2	213	41	14.64	73	57.15	9/7/2005	16:15	0.3	27.7	7.1	8654
2005	7	42	4	2	206	41	16.412	73	58.1	9/7/2005	15:50	0.3	27.2	5.4	8905
2005	7	43	6	2	203	41	16.91	73	56.26	9/7/2005	15:30	0.3	27.2	5.3	8905
2005	7	46	6	2	199	41	19.42	73	58.77	9/7/2005	15:12	0.3	27.4	6.2	6317
2005	7	49	4	2	196	41	21.16	73	57.74	9/7/2005	15:03	0.3	26.6	5.3	4445
2005	7	52	6	2	193	41	24.12	73	57.31	9/7/2005	14:30	0.3	26.3	5.8	3145
2005	7	52	6	2	194	41	24.12	73	56.81	9/7/2005	14:41	0.3	26.4	5.4	3089
2005	7	53	4	2	192	41	24.19	73	57.95	9/7/2005	14:15	0.3	26.8	5.8	3195
2005	7	53	6	2	191	41	24.882	73	57.554	9/7/2005	13:51	0.3	27.4	5.3	2952
2005	7	56	4	2	187	41	26.83	74	0.5	9/7/2005	13:20	0.3	26.9	6.8	1449
2005	7	57	4	2	185	41	27.68	74	0.73	9/7/2005	12:49	0.3	27.5	7.1	1371
2005	7	57	4	2	186	41	27.28	74	0.8	9/7/2005	13:05	0.3	27.5	7	1366
2005	7	59	6	2	180	41	29.08	73	59.37	9/7/2005	12:00	0.3	27.5	6.7	1465
2005	7	59	6	2	181	41	29.04	73	59.33	9/7/2005	12:20	0.3	27.5	6.2	1491
2005	7	61	4	2	174	41	31.15	74	0.37	9/7/2005	11:40	0.3	27	5.8	523

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	7	66	4	2	160	41	34.777	73	57.753	9/7/2005	11:17	0.3	26.8	6.1	293
2005	7	69	4	2	155	41	37.44	73	57.43	9/7/2005	10:36	0.3	26.7	6.7	303
2005	7	69	6	2	157	41	36.97	73	56.85	9/7/2005	10:57	0.3	26.8	6.2	301
2005	7	72	4	4	151	41	40.04	73	57.11	9/7/2005	10:19	0.3	25.2	6.5	276
2005	7	74	6	4	149	41	41.064	73	56.289	9/7/2005	10:00	0.3	24.8	6.7	276
2005	7	77	6	4	140	41	44.56	73	56.17	9/7/2005	9:20	0.3	24.7	5.6	272
2005	7	77	6	4	143	41	43.83	73	56.16	9/7/2005	9:45	0.3	24.8	5.4	271
2005	7	81	4	4	135	41	47.474	73	57.457	9/7/2005	8:53	0.3	24.3	6.4	276
2005	7	83	4	4	133	41	48.74	73	57.19	9/7/2005	8:25	0.3	24.4	6.8	276
2005	7	84	6	4	130	41	50.19	73	56.63	9/7/2005	8:00	0.3	24.3	6.2	275
2005	7	86	6	4	125	41	51.75	73	55.89	9/7/2005	7:50	0.3	23.5	6.2	277
2005	7	89	6	4	121	41	53.84	73	57.04	9/7/2005	7:37	0.3	24.1	6.4	278
2005	7	90	6	4	120	41	54.02	73	57.2	9/7/2005	7:20	0.3	24	7	279
2005	7	91	6	2	119	41	55.847	73	56.774	9/6/2005	17:30	0.3	25.2	7	279
2005	7	93	4	2	116	41	57.05	73	57.77	9/6/2005	16:54	0.3	24.5	7.4	285
2005	7	96	4	2	105	42	0.22	73	56.65	9/6/2005	16:30	0.3	25	7.2	276
2005	7	96	4	2	108	41	59.76	73	56.81	9/6/2005	16:39	0.3	24.9	6.3	276
2005	7	97	4	2	102	42	0.83	73	56.38	9/6/2005	16:10	0.3	26.3	7.1	275
2005	7	97	4	2	103	42	0.5	73	56.51	9/6/2005	16:20	0.3	26.2	7.2	274
2005	7	98	4	2	100	42	1.67	73	56.54	9/6/2005	15:51	0.3	24.7	7.9	276
2005	7	98	4	2	101	42	1.426	73	56.456	9/6/2005	15:57	0.3	24.6	7.5	277
2005	7	99	6	2	99	42	2.02	73	55.73	9/6/2005	15:29	0.3	25	7	276
2005	7	105	4	2	98	42	7.33	73	55.3	9/6/2005	15:15	0.3	25.6	7.1	273
2005	7	106	4	2	96	42	8.147	73	54.796	9/6/2005	15:00	0.3	26	7.1	271
2005	7	114	4	2	83	42	14.26	73	50.71	9/6/2005	14:00	0.3	26.5	7.8	260
2005	7	114	6	2	84	42	14.02	73	50.18	9/6/2005	14:25	0.3	26.3	8	260
2005	7	116	6	2	77	42	15.02	73	48.31	9/6/2005	13:35	0.3	25.7	8.1	263
2005	7	119	6	2	69	42	17.29	73	46.78	9/6/2005	12:50	0.3	25.8	8	268
2005	7	119	6	2	72	42	16.82	73	47.28	9/6/2005	13:20	0.3	26.3	7.3	263
2005	7	121	6	4	66	42	19.33	73	46.85	9/6/2005	12:37	0.3	27.1	7	262
2005	7	122	6	4	64	42	19.9	73	46.8	9/6/2005	12:27	0.3	27	7	263
2005	7	123	4	4	59					9/6/2005	12:06	0.3	24.1	7.9	270
2005	7	123	4	4	60	42	20.64	73	47.39	9/6/2005	11:42	0.3	24.6	8.1	266
2005	7	124	6	4	57	42	21.28	73	47.32	9/6/2005	11:27	0.3	24.9	7	271
2005	7	139	4	4	16	42	34.31	73	45.21	9/6/2005	10:30	0.3	24.3	6.8	222
2005	7	139	4	4	18	42	34.14	73	45.24	9/6/2005	10:42	0.3	24.8	7	223
2005	7	145	6	4	4	42	39.51	73	44.09	9/6/2005	9:41	0.3	23.4	7.1	204
2005	7	145	6	4	5	42	39.19	73	44.41	9/6/2005	9:55	0.3	23.1		205
2005	7	148	6	4	3	42	41.41	73	42.584	9/6/2005	9:25	0.3	23.3	7.1	205
2005	7	149	6	4	2	42	42	73	42.07	9/6/2005	9:15	0.3	22.9	7.8	186
2005	7	151	4	4	1	42	44.51	73	41.196	9/6/2005	8:45	0.3	23.5	6.8	215
2005	8	18	4	2	260	40	56.889	73	55.1	9/20/2005	11:40	0.3	25.5	4.7	19207
2005	8	18	6	2	261	40	56.27	73	54.17	9/20/2005	11:54	0.3	25	4.7	19494

Hudson River Beach Seine Water Quality Data, 1993-2005

YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	8	19	6	2	259	40	57.735	73	53.561	9/20/2005	11:10	0.3	25.1	5.9	17754
2005	8	22	6	2	256	40	59.97	73	53.05	9/20/2005	10:49	0.3	25.1	6.1	17565
2005	8	23	6	2	255	41	0.74	73	52.83	9/20/2005	10:38	0.3	25.1	5.3	17675
2005	8	24	6	2	252	41	2.057	73	52.505	9/20/2005	10:28	0.3	25.2	6.1	16269
2005	8	25	6	2	251	41	2.46	73	52.42	9/20/2005	10:18	0.3	25.2		16210
2005	8	26	6	2	247	41	3.891	73	52.077	9/20/2005	9:40	0.3	25	6.4	15061
2005	8	26	6	2	248	41	3.273	73	52.221	9/20/2005	9:57	0.3	25	6.8	15101
2005	8	26	6	2	248	41	3.273	73	52.221	9/23/2005	10:47	0.3	24.5	6.9	14110
2005	8	26	6	2	249	41	2.67	73	52.3	9/23/2005	10:58	0.3	24.6	7.4	14071
2005	8	28	6	2	243	41	5.683	73	52.214	9/20/2005	9:05	0.3	25.1	6.4	14991
2005	8	28	6	2	244	41	5.33	73	52.33	9/20/2005	9:15	0.3	25	6.3	15051
2005	8	28	6	2	244	41	5.33	73	52.33	9/23/2005	10:28	0.3	24.5	7.2	14099
2005	8	29	4	2	242	41	6.1	73	54.88	9/23/2005	11:16	0.3	25	6.8	14125
2005	8	30	4	2	241	41	7.14	73	54.77	9/20/2005	12:30	0.3	25.4	6.6	14958
2005	8	30	4	2	241	41	7.14	73	54.77	9/23/2005	11:33	0.3	25	7.4	14105
2005	8	31	4	2	283	41	8.34	73	54.4	9/20/2005	12:50	0.3	25.2	6.8	15654
2005	8	31	4	2	283	41	8.34	73	54.4	9/23/2005	11:50	0.3	26.1	6.9	12369
2005	8	32	4	2	239	41	8.81	73	54.6	9/23/2005	12:35	0.3	26	6.9	12492
2005	8	32	4	2	240	41	8.48	73	54.42	9/23/2005	12:04	0.3	26.2	7	12451
2005	8	32	6	2	237	41	9.274	73	52.181	9/20/2005	8:30	0.3	24.7	6.3	13310
2005	8	32	6	2	238	41	8.85	73	52.123	9/20/2005	8:52	0.3	24.2	6.3	13569
2005	8	32	6	2	269	41	9.445	73	52.243	9/20/2005	8:12	0.3	24.5	5.7	13526
2005	8	32	6	2	237	41	9.274	73	52.181	9/23/2005	10:00	0.3	24.3	5.7	12611
2005	8	32	6	4	238	41	8.85	73	52.123	9/23/2005	10:19	0.3	24.3	6.1	12581
2005	8	32	6	4	269	41	9.445	73	52.243	9/23/2005	9:39	0.3	23.9	5.6	12767
2005	8	33	6	2	236	41	9.79	73	52.202	9/20/2005	8:00	0.3	24		13625
2005	8	33	6	4	236	41	9.79	73	52.202	9/23/2005	9:20	0.3	23.9	5	12716
2005	8	34	6	2	235	41	10.632	73	52.59	9/20/2005	7:50	0.3	24.7	8.6	13460
2005	8	35	4	2	229	41	10.59	73	56.41	9/20/2005	13:10	0.3	26.6		11713
2005	8	35	4	2	230	41	10.59	73	56.39	9/20/2005	13:00	0.3	26.7	7.2	11382
2005	8	35	4	2	277	41	10.95	73	57.06	9/20/2005	13:21	0.3	26.8	7.6	10859
2005	8	35	6	4	231	41	11.23	73	53.69	9/23/2005	8:39	0.3	24.3	5.8	11803
2005	8	35	6	4	274	41	11.17	73	53.71	9/23/2005	9:01	0.3	24.3	5.7	11813
2005	8	35	6	4	275	41	11.31	73	53.54	9/23/2005	8:30	0.3	24.3	5.7	11793
2005	8	36	4	2	226	41	11.8	73	57.5	9/20/2005	14:13	0.3	26.8	7	11051
2005	8	36	4	2	227	41	11.02	73	57.41	9/20/2005	13:31	0.3	26.8	7	11032
2005	8	36	4	2	281	41	11.13	73	57.16	9/20/2005	13:49	0.3	26.8	8	10831
2005	8	36	4	2	282	41	11.2	73	57.17	9/20/2005	14:03	0.3	26.8	7.4	10946
2005	8	36	6	4	228	41	12.25	73	53.5	9/23/2005	7:45	0.3	23.7	5.3	11152
2005	8	36	6	4	276	41	12.17	73	53.51	9/23/2005	8:10	0.3	23.8	5.6	11159
2005	8	37	4	2	225	41	12.096	73	57.458	9/20/2005	14:39	0.3	26.8	7.4	11042
2005	8	39	6	4	217	41	14.098	73	56.682	9/22/2005	16:54	0.3	27	7	10117
2005	8	40	4	4	209	41	14.97	73	58	9/22/2005	16:10	0.3	27.2	6	9543

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2005	8	40	6	4	210	41	14.87	73	57.74	9/22/2005	16:21	0.3	27	6	9610
2005	8	40	6	4	213	41	14.64	73	57.15	9/22/2005	16:37	0.3	27	7.1	9620
2005	8	41	6	4	208	41	15.72	73	50.84	9/22/2005	15:50	0.3	27.3	6.3	9599
2005	8	52	6	2	193	41	24.12	73	57.31	9/22/2005	15:29	0.3	25.5	5.3	4125
2005	8	53	4	2	192	41	24.19	73	57.95	9/22/2005	15:10	0.3	25.6	5.5	3900
2005	8	53	6	2	191	41	24.882	73	57.554	9/22/2005	14:51	0.3	26.6	7	3552
2005	8	54	6	2	190	41	24.961	73	57.702	9/22/2005	14:33	0.3	26.1	6.4	3089
2005	8	55	6	2	189	41	25.66	73	58.14	9/22/2005	14:05	0.3	26.7	6.2	3048
2005	8	57	4	2	185	41	27.68	74	0.73	9/22/2005	13:43	0.3	26	6	1720
2005	8	57	4	2	186	41	27.28	74	0.8	9/22/2005	13:55	0.3	26	5.8	1735
2005	8	58	4	2	184	41	27.78	74	0.7	9/22/2005	13:30	0.3	25.9	6.4	1722
2005	8	59	6	2	178	41	29.25	73	59.32	9/22/2005	12:40	0.3	25	6.8	1871
2005	8	59	6	2	179	41	29.24	73	59.34	9/22/2005	12:50	0.3	26.2	6.4	1705
2005	8	61	4	2	174	41	31.15	74	0.37	9/22/2005	12:20	0.3	26.4	5.6	970
2005	8	69	4	2	155	41	37.44	73	57.43	9/22/2005	11:25	0.3	25.7	6.8	305
2005	8	69	6	2	156	41	37.03	73	56.88	9/22/2005	11:47	0.3	25.6	6.4	311
2005	8	72	4	4	151	41	40.04	73	57.11	9/22/2005	10:42	0.3	24.7	6.6	315
2005	8	72	6	4	152	41	39.77	73	56.55	9/22/2005	11:00	0.3	25	6.2	302
2005	8	74	6	4	149	41	41.064	73	56.289	9/22/2005	10:20	0.3	24.8	7.5	310
2005	8	77	6	4	140	41	44.56	73	56.17	9/22/2005	9:50	0.3	24.4	6.7	278
2005	8	77	6	4	141	41	44.46	73	56.21	9/22/2005	10:00	0.3	24	5.6	281
2005	8	83	4	4	131	41	49.33	73	57.31	9/22/2005	9:09	0.3	23.7	7.1	274
2005	8	84	4	4	129	41	50.61	73	57.28	9/22/2005	8:28	0.3	22.7	6.7	284
2005	8	84	6	4	130	41	50.19	73	56.63	9/22/2005	8:51	0.3	23.9	6.9	278
2005	8	86	6	4	125	41	51.75	73	55.89	9/22/2005	8:18	0.3	21.4	6.3	285
2005	8	89	6	4	121	41	53.84	73	57.04	9/22/2005	7:50	0.3	23.5	6.1	279
2005	8	90	6	4	120	41	54.02	73	57.2	9/22/2005	7:30	0.3	23.5	6.1	279
2005	8	92	4	2	118	41	56.32	73	58.1	9/21/2005	17:35	0.3	24.5	7.5	277
2005	8	93	4	2	116	41	57.05	73	57.77	9/21/2005	17:08	0.3	25.1	7.3	275
2005	8	96	4	2	105	42	0.22	73	56.65	9/21/2005	16:42	0.3	24.3	7.5	274
2005	8	96	4	2	108	41	59.76	73	56.81	9/21/2005	16:53	0.3	24.3	7.1	273
2005	8	97	4	2	102	42	0.83	73	56.38	9/21/2005	16:20	0.3	26.4	7.4	267
2005	8	97	4	2	103	42	0.5	73	56.51	9/21/2005	16:32	0.3	25.3	8	273
2005	8	98	4	2	100	42	1.67	73	56.54	9/21/2005	15:50	0.3	24.2		269
2005	8	98	4	2	101	42	1.426	73	56.456	9/21/2005	16:08	0.3	24	6.8	273
2005	8	99	6	2	99	42	2.02	73	55.73	9/21/2005	15:30	0.3	25.5	6.6	265
2005	8	105	4	2	97	42	7.68	73	55.13	9/21/2005	14:50	0.3	25.8	6.4	259
2005	8	105	4	2	98	42	7.33	73	55.3	9/21/2005	15:10	0.3	25	5.7	259
2005	8	116	6	2	77	42	15.02	73	48.31	9/21/2005	14:04	0.3	25.7	7.6	245
2005	8	118	4	4	74	42	16.42	73	47.92	9/21/2005	13:45	0.3	25.2	7	240
2005	8	121	4	4	68	42	18.53	73	47.1	9/21/2005	12:45	0.3	25.9	6.9	224
2005	8	121	6	4	67	42	18.82	73	46.89	9/21/2005	12:33	0.3	24	7.2	231
2005	8	122	4	4	61	42	20.29	73	47.24	9/21/2005	12:10	0.3	24.5	5.8	245

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2005	8	122	6	4	62	42	20.105	73	46.848	9/21/2005	12:21	0.3	24.2	6.8	243
2005	8	122	6	4	64	42	19.9	73	46.8	9/21/2005	12:22	0.3	26	7	239
2005	8	123	4	4	59					9/21/2005	12:01	0.3	24.2	7	242
2005	8	124	4	4	55	42	21.64	73	47.62	9/21/2005	11:40	0.3	24.2	6.2	238
2005	8	124	6	4	57	42	21.28	73	47.32	9/21/2005	11:50	0.3	24	5.8	242
2005	8	129	6	4	38	42	26.05	73	46.82	9/21/2005	9:51	0.3	25.8	6.5	241
2005	8	129	6	4	40	42	25.67	73	46.67	9/21/2005	11:13	0.3	23.9	6.5	249
2005	8	138	4	4	20	42	33.5	73	45.35	9/21/2005	10:24	0.3	23.4	5.4	244
2005	8	139	4	4	18	42	34.14	73	45.24	9/21/2005	10:10	0.3	23.6	6.2	243
2005	8	145	6	4	4	42	39.51	73	44.09	9/21/2005	9:40	0.3	22.4	5.8	243
2005	8	148	6	4	3	42	41.41	73	42.584	9/21/2005	9:10	0.3	22.5	6.9	244
2005	8	149	6	4	2	42	42	73	42.07	9/21/2005	8:59	0.3	22	7	243
2005	9	18	6	2	261	40	56.27	73	54.17	10/3/2005	10:51	0.3	21.4	6.1	20884
2005	9	19	6	2	259	40	57.735	73	53.561	10/3/2005	10:34	0.3	21.1	6.1	19547
2005	9	20	6	2	258	40	57.73	73	53.661	10/3/2005	10:23	0.3	21.3	6.3	19336
2005	9	23	6	2	254	41	1.086	73	52.681	10/3/2005	9:55	0.3	21	6.6	16233
2005	9	23	6	2	255	41	0.74	73	52.83	10/3/2005	10:08	0.3	21.1	6.7	16415
2005	9	24	6	2	252	41	2.057	73	52.505	10/3/2005	11:16	0.3	21.3	6.2	16239
2005	9	25	6	2	251	41	2.46	73	52.42	10/3/2005	11:24	0.3	21.2	6.1	16165
2005	9	26	4	2	246	41	3.6	73	55.2	10/3/2005	9:13	0.3	20.1	6.9	15551
2005	9	26	4	2	271	41	3.77	73	55.22	10/3/2005	9:02	0.3	20.6	6.8	15388
2005	9	26	4	2	285	41	3.607	73	55.196	10/3/2005	9:25	0.3	20	6.9	16137
2005	9	26	4	2	271	41	3.77	73	55.22	10/6/2005	11:30	0.3	21.8	7.1	13963
2005	9	26	6	2	247	41	3.891	73	52.077	10/3/2005	12:01	0.3	21.3	6.7	15271
2005	9	26	6	2	248	41	3.273	73	52.221	10/3/2005	11:49	0.3	21.4	6.8	15218
2005	9	26	6	2	247	41	3.891	73	52.077	10/6/2005	10:49	0.3	21.5	6.3	15164
2005	9	26	6	2	249	41	2.67	73	52.3	10/6/2005	11:07	0.3	21.8	6.1	15038
2005	9	27	4	2	272	41	4.49	73	55.14	10/3/2005	8:49	0.3	19.6	6.9	15271
2005	9	27	4	2	245	41	4.19	73	55.21	10/6/2005	11:39	0.3	21.7	6.9	13672
2005	9	28	6	2	244	41	5.33	73	52.33	10/6/2005	10:38	0.3	21.6	6.3	14032
2005	9	29	4	4	242	41	6.1	73	54.88	10/3/2005	8:30	0.3	19.8	7	13431
2005	9	29	4	2	242	41	6.1	73	54.88	10/6/2005	11:56	0.3	22.1	7	13421
2005	9	30	4	2	241	41	7.14	73	54.77	10/6/2005	12:06	0.3	21.3	6.8	13346
2005	9	31	4	4	283	41	8.34	73	54.4	10/3/2005	8:09	0.3	19.8	7.2	12321
2005	9	32	4	2	239	41	8.81	73	54.6	10/6/2005	12:33	0.3	22.1	6.3	12363
2005	9	32	4	2	240	41	8.48	73	54.42	10/6/2005	12:17	0.3	22.4	6.2	12444
2005	9	32	6	2	237	41	9.274	73	52.181	10/3/2005	12:20	0.3	21.9	6	12394
2005	9	32	6	2	237	41	9.274	73	52.181	10/6/2005	10:12	0.3	21.6	6.5	11756
2005	9	32	6	2	269	41	9.445	73	52.243	10/6/2005	9:55	0.3	21.8	6.4	12569
2005	9	33	6	2	236	41	9.79	73	52.202	10/3/2005	12:34	0.3	21.3	6.2	12561
2005	9	33	6	2	236	41	9.79	73	52.202	10/6/2005	9:44	0.3	21.7	6.2	12424
2005	9	34	6	2	233	41	10.662	73	53.922	10/3/2005	13:28	0.3	22.1	6.8	11211
2005	9	34	6	2	234	41	10.19	73	53.93	10/3/2005	13:14	0.3	22	7.6	10810

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2005	9	34	6	2	235	41	10.632	73	52.59	10/3/2005	12:48	0.3	21.4	6.4	11944
2005	9	35	4	4	229	41	10.59	73	56.41	10/3/2005	14:07	0.3	23.1	6.5	10638
2005	9	35	4	4	230	41	10.59	73	56.39	10/3/2005	14:00	0.3	23.4	6.4	10552
2005	9	35	4	4	277	41	10.95	73	57.06	10/3/2005	14:15	0.3	23	6.4	10577
2005	9	35	6	2	232	41	11.172	73	53.996	10/3/2005	13:40	0.3	21.9	6.7	10801
2005	9	35	6	2	231	41	11.23	73	53.69	10/6/2005	9:10	0.3	21.7	6.3	11315
2005	9	35	6	2	274	41	11.17	73	53.71	10/6/2005	9:18	0.3	21.5	6.9	11234
2005	9	35	6	4	275	41	11.31	73	53.54	10/6/2005	8:48	0.3	21.6	6.3	10794
2005	9	36	4	4	227	41	11.02	73	57.41	10/3/2005	14:26	0.3	22.9	6.4	10277
2005	9	36	4	4	281	41	11.13	73	57.16	10/3/2005	14:38	0.3	22.9	6.2	10194
2005	9	36	4	4	282	41	11.2	73	57.17	10/3/2005	14:49	0.3	22.6	6.6	10163
2005	9	36	6	4	228	41	12.25	73	53.5	10/6/2005	8:34	0.3	21.7	6.8	10483
2005	9	39	4	4	215	41	13.62	73	58.34	10/6/2005	8:12	0.3	23.1	7.1	9520
2005	9	40	4	4	209	41	14.97	73	58	10/6/2005	7:53	0.3	24.1	7	8371
2005	9	40	4	4	214	41	14.31	73	58.5	10/6/2005	8:03	0.3	23.6	7	8550
2005	9	42	4	4	206	41	16.412	73	58.1	10/5/2005	16:29	0.3	23.9	6.9	9995
2005	9	43	6	4	203	41	16.91	73	56.26	10/5/2005	16:16	0.3	23.8	7	9822
2005	9	49	4	2	196	41	21.16	73	57.74	10/5/2005	15:54	0.3	23.2	6.4	6523
2005	9	52	6	2	193	41	24.12	73	57.31	10/5/2005	15:35	0.3	23.2	6.5	5386
2005	9	53	6	2	191	41	24.882	73	57.554	10/5/2005	15:26	0.3	23.3	6.2	5354
2005	9	54	6	2	190	41	24.961	73	57.702	10/5/2005	15:04	0.3	23.5	6.9	3061
2005	9	55	6	2	189	41	25.66	73	58.14	10/5/2005	14:53	0.3	23.7	6.8	2982
2005	9	57	4	2	185	41	27.68	74	0.73	10/5/2005	14:23	0.3	23.2	6.9	1775
2005	9	57	4	2	186	41	27.28	74	0.8	10/5/2005	14:33	0.3	23.1	7	1784
2005	9	59	6	2	178	41	29.25	73	59.32	10/5/2005	13:58	0.3	23.1	7.1	1637
2005	9	59	6	2	180	41	29.08	73	59.37	10/5/2005	14:07	0.3	23.1	7.3	1648
2005	9	60	6	2	176	41	29.57	73	59.06	10/5/2005	13:36	0.3	22.8	7.3	1633
2005	9	60	6	2	177	41	29.52	73	59.24	10/5/2005	13:44	0.3	22.9	7.4	1665
2005	9	69	6	2	156	41	37.03	73	56.88	10/5/2005	12:47	0.3	23	6.8	351
2005	9	69	6	2	158	41	36.94	73	56.81	10/5/2005	12:56	0.3	23.1	6.5	352
2005	9	71	4	2	153	41	39.06	73	57.257	10/5/2005	12:11	0.3	22.2	6.9	290
2005	9	72	4	2	151	41	40.04	73	57.11	10/5/2005	11:38	0.3	21.5	6.9	310
2005	9	74	6	2	149	41	41.064	73	56.289	10/5/2005	11:16	0.3	21.8	7.1	289
2005	9	81	4	2	135	41	47.474	73	57.457	10/5/2005	10:46	0.3	20.6	7.4	268
2005	9	82	4	4	134	41	48.51	73	57.22	10/5/2005	10:20	0.3	20.8	7.1	270
2005	9	83	4	4	133	41	48.74	73	57.19	10/5/2005	9:55	0.3	20.6	7.3	276
2005	9	84	4	4	129	41	50.61	73	57.28	10/5/2005	9:36	0.3	19.9	8	276
2005	9	85	6	4	127	41	51.18	73	56.5	10/5/2005	9:05	0.3	20.2	7.7	274
2005	9	86	4	4	126	41	51.44	73	56.97	10/5/2005	8:29	0.3	19.6	7.2	272
2005	9	89	6	4	121	41	53.84	73	57.04	10/5/2005	8:04	0.3	19.7	7.5	276
2005	9	90	6	4	120	41	54.02	73	57.2	10/5/2005	7:53	0.3	19.7	6.8	276
2005	9	92	4	4	118	41	56.32	73	58.1	10/5/2005	7:40	0.3	19.5	7.8	274
2005	9	93	4	4	116	41	57.05	73	57.77	10/5/2005	7:22	0.3	19.6	7.3	276

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	9	94	4	2	113	41	58.38	73	57.25	10/4/2005	16:46	0.3	20.3	8	260
2005	9	95	4	2	111	41	59.083	73	57.079	10/4/2005	16:31	0.3	20.5	7.9	258
2005	9	96	4	2	108	41	59.76	73	56.81	10/4/2005	16:08	0.3	20.8	8.1	255
2005	9	96	4	2	110	41	59.4	73	56.94	10/4/2005	16:18	0.3	21	8	255
2005	9	97	4	2	102	42	0.83	73	56.38	10/4/2005	15:55	0.3	21.5	8.2	255
2005	9	98	4	2	101	42	1.426	73	56.456	10/4/2005	15:41	0.3	21.5	8.1	255
2005	9	99	6	2	99	42	2.02	73	55.73	10/4/2005	15:20	0.3	20.7	6.8	255
2005	9	105	4	2	97	42	7.68	73	55.13	10/4/2005	14:59	0.3	20.9	7.6	262
2005	9	106	4	2	96	42	8.147	73	54.796	10/4/2005	14:44	0.3	21.6	7.3	267
2005	9	116	6	2	77	42	15.02	73	48.31	10/4/2005	13:58	0.3	20.9	8.7	272
2005	9	118	4	2	74	42	16.42	73	47.92	10/4/2005	13:33	0.3	22.3	8	263
2005	9	121	4	4	65	42	19.307	73	47.217	10/4/2005	12:41	0.3	21.2	7.9	256
2005	9	121	4	2	68	42	18.53	73	47.1	10/4/2005	13:09	0.3	21	7.9	258
2005	9	121	6	2	66	42	19.33	73	46.85	10/4/2005	13:03	0.3	21.1	8	259
2005	9	122	6	2	62	42	20.105	73	46.848	10/4/2005	12:20	0.3	21.2	7.8	259
2005	9	123	4	4	59					10/4/2005	11:58	0.3	20.4	8.4	259
2005	9	124	4	4	55	42	21.64	73	47.62	10/4/2005	11:08	0.3	20.3	8.6	262
2005	9	124	6	4	56	42	21.49	73	47.29	10/4/2005	11:23	0.3	20.4	8.1	261
2005	9	124	6	4	57	42	21.28	73	47.32	10/4/2005	11:44	0.3	20.2	8.5	259
2005	9	130	4	4	37	42	26.76	73	47.22	10/4/2005	10:50	0.3	19.9	8.7	267
2005	9	131	4	4	33	42	28.06	73	47.13	10/4/2005	10:36	0.3	19.7	8.2	265
2005	9	132	6	4	31	42	28.65	73	47.09	10/4/2005	10:23	0.3	19.5	8.1	266
2005	9	134	4	4	28	42	30.027	73	46.913	10/4/2005	10:06	0.3	18.8	8	268
2005	9	135	4	4	25	42	31.16	73	46.06	10/4/2005	9:47	0.3	18.9	8.1	269
2005	9	137	6	4	24	42	32.262	73	45.288	10/4/2005	9:31	0.3	19.3	7.6	267
2005	9	138	4	4	20	42	33.5	73	45.35	10/4/2005	9:22	0.3	19.1	7.8	267
2005	10	19	6	2	259	40	57.735	73	53.561	10/20/2005	7:40	0.3	15	8.4	389
2005	10	20	6	2	258	40	57.73	73	53.661	10/20/2005	7:51	0.3	14.8	8.6	394
2005	10	21	6	2	257	40	59.13	73	53.13	10/20/2005	8:02	0.3	13.9	8.9	491
2005	10	23	6	2	254	41	1.086	73	52.681	10/17/2005	11:40	0.3	16.1	8.1	1392
2005	10	23	6	2	255	41	0.74	73	52.83	10/20/2005	8:22	0.3	14	9	469
2005	10	24	6	2	252	41	2.057	73	52.505	10/20/2005	8:53	0.3	14.2	9	398
2005	10	24	6	2	253	41	1.169	73	52.711	10/20/2005	8:42	0.3	14	8.7	447
2005	10	25	6	2	251	41	2.46	73	52.42	10/20/2005	9:18	0.3	14.8	9	371
2005	10	26	4	2	246	41	3.6	73	55.2	10/17/2005	11:11	0.3	16.6	8.1	533
2005	10	26	4	2	271	41	3.77	73	55.22	10/17/2005	10:44	0.3	15.9	7.9	507
2005	10	26	6	2	248	41	3.273	73	52.221	10/20/2005	9:40	0.3	13.7	9.5	376
2005	10	26	6	2	249	41	2.67	73	52.3	10/20/2005	9:28	0.3	13.7	9.6	377
2005	10	27	4	2	245	41	4.19	73	55.21	10/17/2005	10:15	0.3	16.1	7.9	486
2005	10	27	4	2	272	41	4.49	73	55.14	10/17/2005	9:54	0.3	16.2	8.2	335
2005	10	27	4	2	272	41	4.49	73	55.14	10/20/2005	10:20	0.3	15.2	8.3	326
2005	10	28	6	2	243	41	5.683	73	52.214	10/20/2005	10:00	0.3	13.7	9.5	373
2005	10	29	4	2	242	41	6.1	73	54.88	10/17/2005	9:34	0.3	16	8.3	336

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2005	10	29	4	2	242	41	6.1	73	54.88	10/20/2005	10:37	0.3	15.1	8.1	343
2005	10	30	4	2	241	41	7.14	73	54.77	10/17/2005	9:22	0.3	16	8.2	336
2005	10	30	4	2	241	41	7.14	73	54.77	10/20/2005	10:48	0.3	15.1	8.2	337
2005	10	31	4	2	283	41	8.34	73	54.4	10/17/2005	9:11	0.3	15.9	8.2	313
2005	10	32	4	2	239	41	8.81	73	54.6	10/17/2005	8:50	0.3	15.6	8.9	331
2005	10	32	4	2	240	41	8.48	73	54.42	10/17/2005	9:01	0.3	15.9	8.3	336
2005	10	32	4	2	239	41	8.81	73	54.6	10/20/2005	10:59	0.3	15.8	8.2	290
2005	10	32	6	2	238	41	8.85	73	52.123	10/17/2005	8:30	0.3	15.5	8.8	339
2005	10	32	6	2	269	41	9.445	73	52.243	10/17/2005	8:10	0.3	14.7	9	451
2005	10	32	6	2	237	41	9.274	73	52.181	10/20/2005	11:36	0.3	15.7	8.3	292
2005	10	32	6	2	238	41	8.85	73	52.123	10/20/2005	11:26	0.3	15.7	7.9	292
2005	10	33	6	2	236	41	9.79	73	52.202	10/17/2005	8:00	0.3	14.6	9	466
2005	10	34	6	2	233	41	10.662	73	53.922	10/20/2005	12:01	0.3	15.9	8.5	208
2005	10	34	6	2	234	41	10.19	73	53.93	10/20/2005	11:50	0.3	15.9	8.4	228
2005	10	35	4	4	229	41	10.59	73	56.41	10/17/2005	13:03	0.3	15.9	9	376
2005	10	35	4	4	230	41	10.59	73	56.39	10/17/2005	12:40	0.3	15.8	9	236
2005	10	35	4	4	277	41	10.95	73	57.06	10/17/2005	13:20	0.3	16.2	8.1	396
2005	10	35	6	2	231	41	11.23	73	53.69	10/20/2005	12:29	0.3	16	8.3	272
2005	10	35	6	2	274	41	11.17	73	53.71	10/20/2005	12:13	0.3	16	8.2	229
2005	10	35	6	2	275	41	11.31	73	53.54	10/20/2005	12:46	0.3	15.9	8.1	274
2005	10	36	4	4	227	41	11.02	73	57.41	10/17/2005	13:39	0.3	16.3	8.1	322
2005	10	36	4	4	281	41	11.13	73	57.16	10/17/2005	13:48	0.3	16.2	8.7	306
2005	10	36	4	4	282	41	11.2	73	57.17	10/17/2005	13:58	0.3	16.6	8.2	356
2005	10	37	4	4	225	41	12.096	73	57.458	10/17/2005	14:15	0.3	16.6	8.5	337
2005	10	38	4	2	223	41	12.89	73	57.806	10/20/2005	13:36	0.3	16	8	265
2005	10	38	4	2	278	41	12.96	73	57.828	10/20/2005	13:48	0.3	16	8.1	265
2005	10	39	6	4	217	41	14.098	73	56.682	10/19/2005	16:18	0.3	16.5	7.9	261
2005	10	39	6	4	218	41	14.02	73	56.4	10/19/2005	16:45	0.3	16.5	8	261
2005	10	40	6	2	210	41	14.87	73	57.74	10/19/2005	15:40	0.3	18.8	8	243
2005	10	40	6	4	211	41	14.88	73	57.6	10/19/2005	15:54	0.3	18.7	7.7	244
2005	10	40	6	4	213	41	14.64	73	57.15	10/19/2005	16:05	0.3	18.5	7.5	243
2005	10	52	6	2	193	41	24.12	73	57.31	10/19/2005	15:20	0.3	14.1	9.6	435
2005	10	53	4	2	192	41	24.19	73	57.95	10/19/2005	15:04	0.3	14.6	8.9	352
2005	10	53	6	2	191	41	24.882	73	57.554	10/19/2005	14:40	0.3	15.7	8.8	326
2005	10	54	6	2	190	41	24.961	73	57.702	10/19/2005	14:30	0.3	15.4	7.9	211
2005	10	55	6	2	189	41	25.66	73	58.14	10/19/2005	14:08	0.3	15.5	8.1	211
2005	10	56	4	2	187	41	26.83	74	0.5	10/19/2005	13:42	0.3	15.3	8.1	210
2005	10	56	4	2	188	41	26.47	73	59.66	10/19/2005	13:59	0.3	15.3	8.3	208
2005	10	58	4	2	184	41	27.78	74	0.7	10/19/2005	13:22	0.3	15.7	8.1	207
2005	10	59	6	2	180	41	29.08	73	59.37	10/19/2005	13:00	0.3	15.5	8.7	346
2005	10	59	6	2	181	41	29.04	73	59.33	10/19/2005	13:11	0.3	13.6	9	357
2005	10	61	4	2	174	41	31.15	74	0.37	10/19/2005	12:44	0.3	15.9	7.2	217
2005	10	63	6	2	167	41	32.41	73	58.61	10/19/2005	12:13	0.3	15.2	8	200

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YEAR	RIV_RUN	RIV_MILE	SITE	TIDE_STG	BEACH	LAT_DG	LAT_MN	LON_DG	LON_MN	DATE	TIME	WQ_SDPTH	H2O_TEMP	D_O	COND
2005	10	63	6	2	168	41	32.3	73	58.633	10/19/2005	12:23	0.3	15.2	7.9	204
2005	10	66	4	2	160	41	34.777	73	57.753	10/19/2005	12:00	0.3	14.9	8.4	225
2005	10	69	4	2	155	41	37.44	73	57.43	10/19/2005	11:16	0.3	14.9	7.6	188
2005	10	69	6	2	157	41	36.97	73	56.85	10/19/2005	11:36	0.3	14.7	8.4	226
2005	10	77	6	2	142	41	43.92	73	56.14	10/19/2005	10:37	0.3	14.1	8.1	196
2005	10	78	4	2	139	41	44.786	73	56.758	10/19/2005	10:10	0.3	14.1	8.2	197
2005	10	82	4	4	134	41	48.51	73	57.22	10/19/2005	9:54	0.3	14.1	7.5	180
2005	10	83	4	4	131	41	49.33	73	57.31	10/19/2005	8:59	0.3	13.9	6.9	192
2005	10	83	4	4	133	41	48.74	73	57.19	10/19/2005	9:20	0.3	14.9	7.6	180
2005	10	86	4	4	126	41	51.44	73	56.97	10/19/2005	8:35	0.3	13.8	7.1	190
2005	10	88	6	4	122	41	53.023	73	56.214	10/19/2005	7:59	0.3	13.9	8	188
2005	10	90	6	4	120	41	54.02	73	57.2	10/19/2005	7:38	0.3	13.9	8	188
2005	10	92	4	4	118	41	56.32	73	58.1	10/18/2005	16:31	0.3	14.5	8.1	255
2005	10	93	4	4	116	41	57.05	73	57.77	10/18/2005	16:12	0.3	14.9	8.6	211
2005	10	94	4	2	113	41	58.38	73	57.25	10/18/2005	15:58	0.3	14.6	8.4	221
2005	10	95	4	2	111	41	59.083	73	57.079	10/18/2005	15:46	0.3	14.6	8.4	218
2005	10	96	4	2	105	42	0.22	73	56.65	10/18/2005	15:22	0.3	14.7	8.6	218
2005	10	96	4	2	108	41	59.76	73	56.81	10/18/2005	15:32	0.3	14.6	8.9	215
2005	10	97	4	2	103	42	0.5	73	56.51	10/18/2005	15:12	0.3	14.6	8.4	218
2005	10	99	6	2	99	42	2.02	73	55.73	10/18/2005	14:59	0.3	14.7	8.7	224
2005	10	105	4	2	97	42	7.68	73	55.13	10/18/2005	14:28	0.3	14.4	9.1	239
2005	10	105	4	2	98	42	7.33	73	55.3	10/18/2005	14:39	0.3	14.5	8.6	238
2005	10	106	4	2	96	42	8.147	73	54.796	10/18/2005	14:08	0.3	14.9	7.1	238
2005	10	116	6	2	77	42	15.02	73	48.31	10/18/2005	13:40	0.3	13.6	8.6	257
2005	10	117	4	2	76	42	15.84	73	47.69	10/18/2005	13:11	0.3	14.3	8.6	237
2005	10	118	4	4	73	42	16.76	73	47.67	10/18/2005	12:47	0.3	14.4	8.6	237
2005	10	118	4	2	75	42	16.12	73	47.49	10/18/2005	12:57	0.3	14.3	8.6	237
2005	10	119	6	2	71	42	17.16	73	46.8	10/18/2005	12:30	0.3	14	9.3	241
2005	10	121	6	4	66	42	19.33	73	46.85	10/18/2005	12:03	0.3	14.1	8.9	235
2005	10	122	4	4	63	42	19.84	73	47.18	10/18/2005	11:40	0.3	13.7	8.5	236
2005	10	122	6	4	64	42	19.9	73	46.8	10/18/2005	11:52	0.3	13.7	8.5	236
2005	10	123	4	4	59					10/18/2005	11:09	0.3	13.6	7.9	238
2005	10	123	4	4	60	42	20.64	73	47.39	10/18/2005	11:30	0.3	13.6	7.8	237
2005	10	128	6	4	43	42	25.02	73	46.62	10/18/2005	10:57	0.3	13.6	9	235
2005	10	129	6	4	39	42	25.879	73	46.76	10/18/2005	10:29	0.3	13.6	9.2	234
2005	10	131	4	4	33	42	28.06	73	47.13	10/18/2005	10:02	0.3	13.6	7.6	238
2005	10	132	4	4	32	42	28.13	73	47.21	10/18/2005	9:48	0.3	13.8	9	216
2005	10	134	4	4	28	42	30.027	73	46.913	10/18/2005	9:30	0.3	13.4	9.6	218
2005	10	138	4	4	20	42	33.5	73	45.35	10/18/2005	9:00	0.3	13.4	9.1	165
2005	10	139	4	4	18	42	34.14	73	45.24	10/18/2005	8:50	0.3	13.4	9	189