Table of soil environment categories

Category:	1	2	3	4	5	6	7	8
Factor								
Slope (degrees from horizontal)	0 to 3	3 to 6	6 to 12	>12				
Aspect (direction that slope faces, degrees from North)	0 to 45	45 to 90	90 to 135	135 to 180	180 to 225	225 to 270	270 to 315	315 to 360
Land use	grass, pasture	hayfield	plowed field	woodlot				
Soil type (see reference 1)	Volusia and Chippewa soils	Lordstown and Oquaga soils	Mardin soil					
Site location relative to reservoir	Not over reservoir	Over reservoir						

Light Hydrocarbon gas concentrations and soil environment data for survey over Sabinsville reservoir, November, 1994

Sample	Distance North of Datum (m)	Aspect	Land Use	Position	Slope	Soil Type	Sample Mass (g)	Weight % Moisture	Wt. Fraction Methane in gas (ppm)	Wt. Fraction Methane in soil (ppb)	Wt. Fraction Ethane in gas (ppm)	Wt. Fraction Ethane in soil (ppb)	Wt. Fraction Propane in gas (ppm)	Wt. Fraction Propane in soil (ppb)	Wt. Fraction Butane in gas (ppm)	Wt. Fraction Butane in soil (ppb)	Wt. Fraction Pentane in gas (ppm)	Wt. Fraction Pentane in soil (ppb)
161	0	7	1	1	2	1	27	27	1.8	1.25	4.1	5.36	0.2	0.38	5.4	13.64	145.2	455
162	76	7	2	1	1	1	26	34	1.4	1.05	0.6	0.84	0.1	0.21	2.1	5.71	41.7	141
163	152	5	2	1	1	1	24	26	1.3	1.06	0.7	1.07	0.0	0.00	0.5	1.47	87.0	318
164	229	6	1	1	1	1	36	22	2.4	1.02	0.0	0.00	0.0	0.00	6.5	10.03	109.9	211
165	305	6	1	1	1	1	31	31	1.9	1.09	12.4	13.29	0.3	0.47	4.1	8.49	129.2	332
166	381	6	2	1	1	1	37	27	1.0	0.41	0.8	0.62	0.0	0.00	0.1	0.15	50.4	94
167	480	6	1	1	1	1	30	35	1.8	1.06	11.2	12.39	0.3	0.49	0.7	1.50	107.6	286
168	556	7	2	1	2	1	24	33	2.1	1.74	6.6	10.24	0.2	0.45	1.3	3.90	99.0	368
169	632	3	1	1	1	1	22	32	2.6	2.40	21.3	36.79	0.4	1.01	5.5	18.37	144.6	599
170	686	3	1	1	1	1	39	20	1.1	0.42	0.5	0.36	0.0	0.00	3.8	5.23	124.5	213
171	800	5	2	1	2	1	18	39	3.2	3.91	48.2	110.48	1.3	4.37	9.0	39.88	146.0	803
172	876	5	2	1	3	3	23	30	1.7	1.50	13.1	21.65	0.2	0.48	1.8	5.75	125.0	496
173	953	5	2	1	2	3	22	31	1.6	1.50	12.8	22.55	0.5	1.29	3.9	13.28	100.6	425
174	1029	4	2	1	1	3	19	31	2.0	2.33	7.9	17.26	0.3	0.96	1.0	4.23	94.4	495
175	1120	1	2	1	2	3	26	26	1.2	0.90	1.9	2.67	0.2	0.41	5.8	15.75	99.2	334
176	1196	1	2	1	1	1	32	27	1.1	0.58	1.2	1.18	0.1	0.14	0.0	0.00	4.6	11
177	1273	1	2	1	1	1	23	29	1.3	1.13	1.7	2.78	0.0	0.00	0.1	0.32	24.1	95
178	1349	1	2	1	1	1	36	26	3.0	1.30	45.7	37.17	1.1	1.31	5.7	8.96	174.6	341
179	1425	4	1	1	1	2	21	38	2.5	2.58	29.2	56.45	0.5	1.42	3.4	12.71	0.0	0
180	1501	4	1	1	1	2	26	43	1.4	1.06	3.4	4.83	0.1	0.21	0.1	0.27	29.8	102
181	1577	3	1	1	1	2	22	28	2.3	2.14	32.9	57.34	0.8	2.04	2.7	9.10	118.1	494
182	1692	2	1	2	2	3	21	34	1.6	1.56	21.0	38.49	0.6	1.61	1.8	6.38	41.4	182
183	1737	1	4	2	3	2	24	25	0.8	0.66	8.1	12.53	0.4	0.91	1.0	2.99	33.7	125
184	1814	1	1	2	1	2	28	35	3.3	2.15	10.2	12.44	1.0	1.79	11.0	25.94	96.2	282
185	1890	2	1	2	1	1	17	48	0.0	0.00	7.0	17.34	0.2	0.73	1.1	5.27	29.3	174
186	1966	2	4	2	1	1	39	21	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0
187	2042	4	1	2	2	1	20	39	1.0	1.06	1.7	3.39	0.0	0.00	0.6	2.31	58.6	280
188	2118	5	1	2	1	1	27	37	1.9	1.34	4.9	6.49	0.3	0.58	5.1	13.07	223.9	712
189	2195	6	2	2	1	1	39	23	1.0	0.37	0.2	0.14	0.0	0.00	0.1	0.13	15.2	25
190	2271	7	2	2	1	1	24	27	1.5	1.26	1.3	2.05	0.1	0.23	1.9	5.78	62.7	237

191	2347	7	1	2	2	1	41	23	1.4	0.47	4.1	2.58	0.3	0.28	6.5	7.90	61.8	93
192	2423	5	1	2	1	1	41	20	0.7	0.24	0.6	0.39	0.1	0.09	0.6	0.75	20.6	32
193	2499	5	1	2	1	1	38	19	1.1	0.43	1.1	0.80	0.0	0.00	3.7	5.21	73.2	128
194	2576	4	4	2	3	1	24	25	1.8	1.49	2.1	3.27	0.3	0.68	1.9	5.71	51.6	193
195	2652	4	4	2	3	1	22	32	2.3	2.22	36.3	65.81	1.4	3.72	17.0	59.58	96.8	421
196	2728	4	4	2	4	2	17	42	3.7	5.07	47.8	122.85	1.7	6.41	21.4	106.33	52.7	325
197	2804	3	4	2	4	2	28	30	1.5	0.98	8.2	10.09	0.2	0.36	2.0	4.76	42.6	126
198	2880	3	4	2	3	2	15	53	0.8	1.24	8.4	24.37	0.5	2.13	1.1	6.17	30.3	211
199	2979	3	2	2	3	1	18	55	0.3	0.38	1.0	2.36	0.0	0.00	0.0	0.00	0.0	0
200	3056	4	2	2	3	1	21	35	1.9	1.89	2.5	4.66	0.2	0.55	2.8	10.09	99.4	445
201	3185	4	1	2	3	1	25	29	1.6	1.28	1.5	2.24	0.1	0.22	1.7	4.92	71.5	257
202	3261	4	2	2	2	1	25	22	1.3	1.01	0.5	0.73	0.0	0.00	0.4	1.13	20.0	70
203	3338	7	2	2	2	1	22	32	1.7	1.59	2.8	4.92	0.4	1.03	20.1	68.24	138.1	582
204	3414	8	2	2	2	1	17	52	0.6	0.81	1.3	3.27	0.2	0.74	1.6	7.78	32.5	196
205	3490	8	2	2	2	1	28	29	1.5	0.99	1.3	1.61	0.1	0.18	0.8	1.92	60.4	180
206	3566	8	2	2	2	1	21	28	1.6	1.58	2.5	4.64	0.2	0.54	5.8	20.81	82.1	366
207	3627	8	2	2	3	1	35	27	1.6	0.73	1.6	1.37	0.4	0.50	1.7	2.82	76.9	158
208	3703	8	2	2	2	1	25	26	1.3	1.05	0.6	0.90	0.1	0.22	6.1	17.78	96.5	349
209	3780	1	1	2	1	1	19	42	1.5	1.67	3.6	7.53	0.5	1.53	0.4	1.62	3.1	16
210	3856	3	2	2	3	1	35	24	1.8	0.82	1.6	1.36	0.3	0.37	19.4	31.86	134.0	273
211	3932	3	4	2	3	1	32	29	2.2	1.19	3.0	3.04	0.5	0.74	4.7	9.22	4.0	10
212	4008	3	1	2	3	1	34	15	1.1	0.54	0.3	0.27	0.0	0.00	3.1	5.47	81.8	179
213	4084	7	4	2	1	2	25	37	2.2	1.70	10.5	15.21	0.5	1.06	2.6	7.28	82.3	286
214	4161	5	2	1	3	3	24	26	1.8	1.54	3.3	5.31	0.2	0.47	7.0	21.76	77.9	301
215	4237	6	2	1	3	3	32	22	1.9	1.02	1.4	1.41	0.3	0.44	7.9	15.43	255.9	621
216	4313	6	2	1	2	3	30	19	1.6	0.98	0.8	0.92	0.2	0.34	2.0	4.43	49.6	136
217	4389	8	1	1	2	1	20	32	0.7	0.74	1.3	2.57	0.1	0.29	4.2	16.02	57.1	270
218	4465	8	1	1	1	1	22	28	1.4	1.36	4.5	8.18	0.1	0.27	0.6	2.11	41.5	181
219	4542	7	2	1	2	1	23	29	1.7	1.54	4.3	7.30	0.1	0.25	1.4	4.60	68.5	279
220	4618	8	2	1	2	1	23	31	2.2	1.94	10.6	17.52	0.5	1.21	7.3	23.33	100.6	399
221	4694	8	2	1	1	1	30	27	2.4	1.45	16.7	18.96	0.9	1.50	21.9	48.06	158.7	432
222	4770	7	4	1	3	1	20	31	2.3	2.39	16.6	32.32	0.5	1.43	0.9	3.39	50.6	236
223	4846	7	4	1	2	1	16	49	1.8	2.51	8.7	22.75	0.8	3.07	0.9	4.55	62.3	391
224	4923	7	2	1	3	1	24	37	3.3	2.67	13.7	20.80	1.0	2.23	27.4	80.42	150.8	549
225	4999	8	2	1	2	1	25	41	2.1	1.62	5.3	7.67	0.3	0.64	5.6	15.67	113.8	395
226	5075	8	2	1	2	1	32	26	1.2	0.64	0.6	0.60	0.0	0.00	0.3	0.58	28.9	69
227	5151	8	2	1	2	1	28	27	2.3	1.53	3.6	4.50	0.3	0.55	8.4	20.31	85.1	255

228	5227	8	2	1	3	1	33	24	1.4	0.73	1.5	1.46	0.0	0.00	0.2	0.38	4.7	11
229	5311	7	2	1	3	1	21	34	1.9	1.92	11.0	20.84	0.4	1.11	0.4	1.47	3.6	16
230	5387	8	2	1	3	1	20	34	1.5	1.56	6.1	11.89	0.1	0.29	0.4	1.51	5.9	28
231	5464	8	2	1	3	1	21	31	1.4	1.40	3.9	7.31	0.1	0.27	0.1	0.36	3.6	16
232	5585	8	1	1	1	1	35	25	1.5	0.70	2.2	1.92	0.1	0.13	0.1	0.17	1.4	3
233	5700	7	2	1	2	1	29	34	4.8	2.94	11.8	13.56	2.3	3.88	9.3	20.66	73.3	202
234	5776	7	2	1	2	1	31	28	2.1	1.19	4.3	4.59	0.2	0.31	1.4	2.89	63.2	162
235	5852	7	2	1	2	1	27	22	1.2	0.86	0.6	0.80	0.1	0.20	4.6	11.90	75.5	242
236	5928	7	2	1	1	1	30	27	1.2	0.71	0.1	0.11	0.0	0.00	0.0	0.00	0.6	2
237	6005	7	2	1	1	1	29	26	1.0	0.62	0.3	0.35	0.1	0.17	9.9	22.15	82.2	228
238	6081	7	1	1	2	1	16	54	2.3	3.21	11.9	31.15	0.3	1.15	5.1	25.81	3.3	21
239	6157	8	1	1	3	1	14	54	4.2	7.01	44.9	140.44	1.9	8.72	12.5	75.59	113.5	852
240	6248	8	4	1	3	1	18	49	4.3	5.43	37.6	89.07	1.8	6.25	6.1	27.94	95.8	545
241	6325	8	1	1	3	1	25	27	1.8	1.39	3.2	4.64	0.3	0.64	7.7	21.57	114.1	397
242	6401	8	1	1	4	1	24	22	1.0	0.81	0.2	0.31	0.0	0.00	1.6	4.72	40.4	148
243	6485	1	4	1	4	1	22	53	3.5	3.34	45.6	81.67	2.4	6.30	3.1	10.73	27.9	120

Light Hydrocarbon gas concentrations and soil environment data for survey over Sabinsville reservoir, July, 1995

Sample #	Distance North of Datum (m)	Aspect	Land Use	Position	Slope	Soil Type	Sample Mass (g)	Weight % Moisture	Wt. Fraction Methane in gas (ppm)	Wt. Fraction Methane in soil (ppb)	Wt. Fraction Ethane in gas (ppm)	Wt. Fraction Ethane in soil (ppb)	Wt. Fraction Propane in gas (ppm)	Wt. Fraction Propane in soil (ppb)	Wt. Fraction Butane in gas (ppm)	Wt. Fraction Butane in soil (ppb)	Wt. Fraction Pentane in gas (ppm)	Wt. Fraction Pentane in soil (ppb)
319	0	7	1	1	2	1	26	10	1.4	1.01	5.3	7.12	0.5	0.93	1.1	2.94	11.4	37
320	76	7	2	1	1	1	21	13	2.1	2.05	7.1	13.11	0.7	2.01	1.5	5.36	9.0	40
321	152	5	2	1	1	1	23	9	0.5	0.44	0.2	0.35	0.0	0.08	0.0	0.11	1.4	5
322	229	7	1	1	1	1	28	12	0.5	0.30	0.7	0.89	0.1	0.23	0.4	1.03	7.4	22
323	305	6	1	1	1	1	28	9	0.6	0.37	0.3	0.44	0.0	0.04	0.1	0.16	1.5	5
324	381	6	2	1	1	1	22	12	0.5	0.51	2.6	4.72	0.3	0.77	0.1	0.51	0.6	3
325	480	7	4	1	1	1	23	13	3.4	2.98	13.7	22.60	0.8	1.91	1.6	5.02	13.7	54
326	556	7	2	1	2	1	26	12	2.2	1.62	10.7	14.75	0.8	1.64	1.6	4.37	13.7	45
327	632	3	1	1	1	1	26	11	1.4	1.03	8.2	11.52	0.6	1.14	0.7	2.01	8.3	28
328	686	3	1	1	1	1	30	6	0.7	0.42	0.5	0.61	0.1	0.17	0.3	0.57	5.5	15
329	785	5	2	1	2	1	22	7	0.9	0.79	17.8	30.73	0.7	1.75	0.5	1.70	0.6	3
330	861	5	2	1	3	3	27	7	1.5	1.10	13.8	18.48	0.6	1.14	0.6	1.60	6.8	22
331	937	5	1	1	2	3	27	7	0.6	0.43	2.6	3.42	0.2	0.36	0.3	0.78	5.4	17
332	1013	4	2	1	1	3	25	4	1.7	1.33	11.2	16.75	0.6	1.27	1.0	3.03	9.9	36
333	1090	7	2	1	2	3	21	7	2.6	2.55	25.9	47.53	1.0	2.59	0.4	1.40	2.4	11
334	1166	1	2	1	1	1	26	8	0.6	0.44	0.7	1.02	0.1	0.13	0.0	0.12	1.5	5
335	1242	1	2	1	1	1	26	8	0.2	0.18	2.5	3.48	0.2	0.36	0.3	0.73	4.7	16
336	1318	1	2	1	1	1	21	11	0.6	0.61	8.8	16.69	0.5	1.37	0.3	1.22	4.2	19
337	1394	4	1	1	1	2	21	9	0.7	0.68	8.6	15.74	0.3	0.93	0.1	0.51	0.9	4
338	1471	4	1	1	1	2	25	9	0.5	0.37	5.2	7.44	0.3	0.56	0.2	0.46	0.6	2
339	1547	4	1	1	1	2	28	5	0.4	0.28	4.4	5.45	0.2	0.36	0.1	0.22	1.2	4
340	1623	4	1	2	2	3	22	7	2.6	2.48	13.1	23.45	0.9	2.30	1.3	4.64	9.3	40
341	1699	1	4	2	3	2	23	5	1.1	0.91	8.9	14.30	0.5	1.15	0.8	2.46	9.1	35
342	1775	1	4	2	1	2	23	8	0.9	0.79	2.6	4.33	0.4	1.00	0.5	1.45	3.7	15
343	1890	2	1	2	1	1	28	4	1.1	0.72	3.0	3.76	0.5	0.92	0.4	1.07	4.2	13
344	1966	2	4	2	1	1	17	8	0.4	0.53	5.8	14.23	0.4	1.43	0.1	0.56	0.9	5
345	2042	4	1	2	2	1	25	8	0.6	0.47	1.8	2.65	0.1	0.27	0.1	0.28	2.8	10
346	2118	5	1	2	1	1	19	15	2.0	2.32	6.5	14.33	0.6	1.87	0.7	3.04	6.0	32
347	2195	6	1	2	1	1	29	14	0.3	0.19	0.7	0.86	0.1	0.25	0.1	0.24	0.4	1
348	2271	7	1	2	1	1	20	11	0.7	0.69	0.8	1.64	0.1	0.34	0.1	0.28	1.5	7

349	2362	7	1	2	2	1	27	6	0.5	0.33	2.3	2.98	0.2	0.41	0.1	0.25	0.4	1
350	2454	5	1	2	1	1	25	11	1.1	0.85	1.8	2.57	0.2	0.46	0.5	1.33	6.4	23
351	2530	6	1	2	1	1	24	6	1.8	1.46	4.6	7.14	0.7	1.48	0.8	2.27	5.6	21
352	2606	4	4	2	3	1	31	7	0.1	0.06	0.6	0.64	0.1	0.12	0.0	0.04	0.3	1
353	2682	3	4	2	4	1	21	10	0.6	0.62	12.9	23.80	0.6	1.56	0.3	1.06	0.8	4
354	2758	3	4	2	4	2	27	7	1.2	0.83	8.3	11.14	0.4	0.81	0.6	1.61	7.7	25
355	2835	3	4	2	4	2	24	8	0.6	0.54	9.1	14.30	0.4	0.85	0.1	0.36	1.1	4
356	2911	3	4	2	4	2	23	9	1.9	1.69	24.5	40.04	1.1	2.75	0.4	1.17	1.0	4
357	2995	4	2	2	3	1	28	11	1.0	0.65	1.6	2.00	0.5	0.88	0.4	0.93	1.6	5
358	3071	4	2	2	3	1	25	8	0.7	0.58	3.9	5.81	0.3	0.68	0.2	0.66	0.8	3
359	3200	4	2	2	2	1	25	8	0.5	0.39	2.3	3.36	0.2	0.45	0.1	0.37	0.9	3
360	3277	4	2	2	2	1	26	8	1.8	1.29	5.6	7.69	0.5	1.06	0.7	1.76	6.5	21
361	3353	8	2	2	2	1	25	6	0.5	0.40	2.1	3.17	0.2	0.48	0.2	0.43	1.3	5
362	3429	8	2	2	2	1	28	7	0.3	0.22	1.2	1.43	0.1	0.25	0.2	0.44	2.6	8
363	3505	8	2	2	2	1	26	8	0.7	0.50	2.3	3.30	0.3	0.58	0.2	0.46	0.5	2
364	3581	8	2	2	2	1	26	7	2.1	1.57	7.4	10.16	0.8	1.71	0.8	2.16	4.7	16
365	3650	8	2	2	3	1	26	12	1.2	0.93	2.7	3.87	0.5	0.99	0.3	0.95	1.6	6
366	3726	1	2	2	2	1	22	10	1.9	1.77	4.5	7.95	0.6	1.56	0.4	1.36	1.2	5
367	3802	1	1	2	1	1	26	10	1.5	1.10	0.8	1.08	0.4	0.90	0.6	1.64	6.8	23
368	3879	3	2	2	3	1	24	12	0.2	0.15	0.7	1.17	0.1	0.29	0.1	0.22	1.0	4
369	3955	3	4	2	3	1	24	10	1.4	1.23	10.1	16.25	0.7	1.74	0.5	1.67	1.9	7
370	4031	3	4	2	3	2	29	4	2.5	1.52	4.0	4.65	0.9	1.56	0.4	0.92	1.9	5
371	4107	7	2	2	1	3	28	12	0.5	0.33	0.7	0.91	0.1	0.17	0.4	0.90	4.4	13
372	4183	6	2	1	3	3	26	9	1.2	0.90	7.5	10.49	0.5	0.93	1.3	3.51	4.6	16
373	4260	7	2	1	2	3	30	8	0.7	0.41	1.3	1.43	0.2	0.31	1.0	2.28	7.3	20
374	4336	7	2	1	2	1	30	8	0.3	0.17	1.4	1.54	0.3	0.51	0.3	0.73	4.9	13
375	4412	8	2	1	1	1	24	6	0.7	0.59	8.5	13.59	0.4	1.06	0.2	0.68	1.9	7
376	4488	8	1	1	1	1	25	8	1.8	1.43	21.5	31.77	1.1	2.35	0.8	2.39	6.9	25
377	4564	8	2	1	2	1	29	7	0.8	0.51	5.4	6.28	0.5	0.85	0.6	1.38	6.8	19
378	4641	8	2	1	2	1	27	8	0.8	0.52	1.6	2.11	0.3	0.52	0.6	1.48	5.3	17
379	4717	8	2	1	1	1	24	10	0.8	0.64	3.4	5.42	0.4	0.84	0.4	1.15	4.1	16
380	4793	8	4	1	3	1	22	9	0.8	0.78	15.8	28.19	0.7	1.93	0.2	0.84	1.7	7
381	4869	8	2	1	2	1	22	12	0.3	0.31	4.1	7.33	0.1	0.34	0.2	0.55	2.0	9
382	4945	8	2	1	3	1	21	15	0.9	0.84	2.6	4.82	0.3	0.88	0.4	1.59	5.4	24
383	5022	8	2	1	2	1	21	9	1.4	1.43	5.6	10.84	0.5	1.29	1.0	3.60	5.5	26
384	5098	7	2	1	2	1	21	11	0.9	0.90	2.9	5.59	0.5	1.28	0.3	1.02	2.3	11
385	5174	8	2	1	2	1	24	11	0.9	0.72	2.3	3.45	0.3	0.65	0.7	2.21	9.2	34

386	5250	8	2	1	3	1	24	11	0.5	0.47	1.4	2.18	0.3	0.63	0.8	2.44	9.0	34
387	5326	7	2	1	3	1	25	13	1.3	1.02	7.8	11.45	0.6	1.24	0.4	1.26	3.1	11
388	5403	8	2	1	3	1	25	11	0.6	0.50	6.6	9.46	0.4	0.88	0.2	0.54	1.2	4
389	5479	8	2	1	3	1	27	9	0.5	0.38	6.7	8.71	0.3	0.57	0.2	0.49	2.1	7
390	5608	1	1	1	1	1	28	12	0.2	0.13	0.5	0.60	0.1	0.09	0.1	0.18	1.9	6
391	5723	7	2	1	2	1	25	12	1.0	0.80	2.2	3.32	0.4	0.90	1.6	4.61	13.7	49
392	5799	7	2	1	1	1	25	8	0.4	0.34	2.0	2.96	0.1	0.31	0.4	1.08	6.0	21
393	5875	7	1	1	2	1	24	9	1.4	1.17	3.4	5.23	0.5	1.04	0.5	1.36	3.4	12
394	5951	6	2	1	1	1	24	8	0.5	0.44	1.0	1.58	0.1	0.28	0.2	0.70	3.6	13
395	6027	7	2	1	1	1	26	8	0.9	0.68	4.6	6.22	0.4	0.73	0.6	1.67	6.3	21
396	6104	7	4	1	2	1	21	8	0.5	0.52	9.9	18.80	0.5	1.35	0.2	0.78	3.3	15
397	6180	8	1	1	3	1	19	13	lost data	lost data	lost data	lost data	lost data	lost data	lost data	lost data	lost data	lost data
398	6271	8	1	1	3	1	18	11	1.2	1.50	3.7	8.64	0.6	2.09	1.0	4.47	8.0	45
399	6347	8	1	1	3	1	24	10	0.3	0.27	5.8	9.34	0.3	0.69	0.3	0.83	3.8	15
400	6424	8	1	1	4	1	34	4	2.3	1.14	1.4	1.31	0.4	0.47	0.7	1.33	8.3	18
401	6515	1	4	1	4	1	21	13	1.3	1.34	4.0	7.64	0.6	1.64	0.4	1.34	2.4	11