Dŵr Cymru Welsh Water

TABA Repor

SAMPLE POINT	SAMPLE DATE/TIME													
		pH	Conductivity	Turbidity	Colour (by spectrophotometer)	Temperature	Total Organic Carbon	Ammonium Reportable (as NH4)	Total Oxidised Nitrogen (as	Nitrate (as N)	Nitrite (as N)	Alkalinity to pH 4.5	Phosphorus	Copper
		pH	µS/cm at 20°C	NTU	deg Hazen	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg CaCO3/L	mg/L	mg/L
Llyswen WTW Raw	29/Dec/22 10:07	7	85	280	35	7.9		0.0073	1.3	1.3	0.0037		0.52	
Llyswen WTW Raw	21/Dec/22 09:12	7.4	110	19	30	7	4.3	0.0073	1.5	1.5	0.0037	24	0.085	0.065
Llyswen WTW Raw	14/Dec/22 12:45	7.8	130	8.4	15	11.2		0.0073	1.3	1.3	0.0037		0.055	
Llyswen WTW Raw	14/Dec/22 12:45													
Llyswen WTW Raw	05/Dec/22 08:43	7.6	110	1.6	18	7.2		0.0073	1.4	1.4	0.0037		0.081	
Llyswen WTW Raw	28/Nov/22 08:57	7.4	99	9.8	28	8.8	3.7	0.0073	1.3	1.3	0.0037	23	0.055	0.065
Llyswen WTW Raw	24/Nov/22 12:49	7.4	91	43	42	8.3		0.0073	1.3	1.3	0.0037		0.12	
Llyswen WTW Raw	15/Nov/22 08:46	7.6	100	6.2	27	10.7		0.0073	0.98	0.98	0.0037		0.055	
Llyswen WTW Raw	08/Nov/22 09:21	7.3	96	78	51	10.8		0.0073	1.2	1.2	0.0037		0.11	
Llyswen WTW Raw	01/Nov/22 08:00	7.3	91	79	41	11.9		0.0073	0.83	0.83	0.0037		0.17	
Llyswen WTW Raw	26/Oct/22 08:12	7.2	86	25	43	12.3		0.008	0.87	0.87	0.0037		0.091	
Llyswen WTW Raw	19/Oct/22 09:49	7.4	86	4.6	34	10.8		0.0073	0.6	0.6	0.0037		0.055	
Llyswen WTW Raw	11/Oct/22 09:37	7.2	74	9.4	30	9.7	3.6	0.0073	0.6	0.6	0.0037	15	0.055	0.065
Llyswen WTW Raw	04/Oct/22 09:44	7.3	76	5.3	28	12.5		0.0073	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	27/Sep/22 08:58	7.4	76	9.1	30	12.8		0.0073	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	22/Sep/22 07:35	7.4	75	3.8	25	13.1	2.5	0.0073	0.59	0.59	0.0037	18	0.055	0.065
Llyswen WTW Raw	14/Sep/22 10:21													
Llyswen WTW Raw	12/Sep/22 08:40	6.9	17	200	31	17		0.037	0.59	0.59	0.0037		0.89	
Llyswen WTW Raw	06/Sep/22 10:03	7.3	66	6.3	54	16.8		0.0073	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	31/Aug/22 08:50	7.6	76	2.1	25	16.6		0.0073	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	23/Aug/22 09:06	7.5	78	4.1	24	18		0.0073	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	19/Aug/22 12:13	7.6	86	1.6	23	18.2		0.0073	0.65	0.65	0.0037		0.055	
Llyswen WTW Raw	11/Aug/22 10:52	7.5	75	2.3	22	19.9		0.012	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	01/Aug/22 09:00	7.3	65	6.6	32	17	3.3	0.015	0.59	0.59	0.0037	15	0.15	0.065
Llyswen WTW Raw	25/Jul/22 09:06	7.6	86	4.4	27	17.8		0.0073	0.76	0.76	0.0037		0.055	
Llyswen WTW Raw	19/Jul/22 09:23						2.5					15		0.065
Llyswen WTW Raw	18/Jul/22 07:49	6.3	15	600	24	19.7		0.0073	0.59	0.59	0.0037		0.77	
Llyswen WTW Raw	12/Jul/22 12:05	7.4	83	11	22	21.4		0.0073	0.59	0.59	0.0037		0.059	
Llyswen WTW Raw	07/Jul/22 07:56	7.5	82	5.9	29	17.6		0.0073	0.64	0.64	0.0037		0.055	
Llyswen WTW Raw	30/Jun/22 08:07	7.5	90	22	17	16		0.0073	0.59	0.59	0.0037		0.17	
Llyswen WTW Raw	27/Jun/22 08:01	7.6	97	34	18	16.3		0.008	0.67	0.67	0.0037		0.065	
Llyswen WTW Raw	24/Jun/22 09:48	7.5	91	2.6	17	19.3	2.2	0.008	0.59	0.59	0.0037	26	0.055	0.065
Llyswen WTW Raw	16/Jun/22 08:40													
Llyswen WTW Raw	14/Jun/22 08:21	7.7	91	8.7	20	14.9		0.009	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	09/Jun/22 10:07	7.6	97	5	23	15.4		0.008	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	23/May/22 08:10	7.3	99	96	17	15.5		0.0073	0.59	0.59	0.0037		0.26	
Llyswen WTW Raw	19/May/22 07:46	7.5	100	13	19	14.9		0.008	0.59	0.59	0.0037		0.062	
Llyswen WTW Raw	09/May/22 09:29	7.7	110	2.3	17	14.4		0.013	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	05/May/22 09:21						1.9					13		0.065
Llyswen WTW Raw	03/May/22 11:38	7.7	110	11	15	12.1		0.0073	0.72	0.72	0.0037		0.055	
Llyswen WTW Raw	25/Apr/22 10:03	7.9	120	16	12	11.9		0.009	0.66	0.66	0.0037		0.055	
Llyswen WTW Raw	22/Apr/22 09:16	7.8	130	8.2	17	12.1	2	0.0073	0.59	0.59	0.0037	39	0.055	0.065
Llyswen WTW Raw	12/Apr/22 11:12	7.9	120	7.3	16	9.6		0.0073	0.59	0.59	0.0037		0.055	
Llyswen WTW Raw	07/Apr/22 08:18	7.8	100		20	9.2		0.0073	0.66	0.66	0.0037		0.055	

Dŵr Cymru Welsh Water

TABA Repor

Llyswen WTW Raw	28/Mar/22 09:00	7.8	130	31	11	9.6		0.0073	0.94	0.94	0.0037		0.055	
Llyswen WTW Raw	22/Mar/22 10:03													
Llyswen WTW Raw	14/Mar/22 08:29	7.6	100	7.6	26	7		0.01	0.92	0.92	0.0037		0.055	
Llyswen WTW Raw	09/Mar/22 08:38	7.6	110	4	12	6		0.0073	1.2	1.2	0.0037		0.055	
Llyswen WTW Raw	01/Mar/22 08:24	7.3	100	13	18	6.8	2.6	0.015	1.2	1.2	0.0037	26		0.065
Llyswen WTW Raw	23/Feb/22 08:07	7.4	96	63	14	7.5		0.0073	1.4	1.4	0.0037		0.12	
Llyswen WTW Raw	14/Feb/22 07:59	7.2	72	40	39	7.1		0.014	0.7	0.7	0.0045		0.064	
Llyswen WTW Raw	07/Feb/22 08:37	7	76	140	30	6.4	3.6	0.003	0.94	0.94	0.0045	15	0.31	0.065
Llyswen WTW Raw	31/Jan/22 09:03	7.6	110	1.6	19	5.9		0.003	1.2	1.2	0.0045		0.055	
Llyswen WTW Raw	24/Jan/22 09:15	7.7	110	5.1	15	4.7		0.003	1.5	1.5	0.0045		0.055	
Llyswen WTW Raw	19/Jan/22 08:17	7.6	110	1.6	15	4.5	2	0.003	0.65	0.65	0.0045	29	0.055	0.065
Llyswen WTW Raw	12/Jan/22 08:48	7.4	92	7	21	6.4		0.009	1	1	0.0045		0.055	
Llyswen WTW Raw	10/Jan/22 08:16	7.4	86	12	23	6.6		0.013	1.4	1.4	0.0045		0.055	
		51	51	50	51	51	12	51	51	51	51	12	50	12
		6.3	15	1.6	11	4.5	1.9	0.003	0.59	0.59	0.0037	13	0.055	0.065
		7.9	130	600	54	21.4	4.3	0.037	1.5	1.5	0.0045	39	0.89	0.065
		7.456863	91.392157	39.57	24.72549	12.060784	2.85	0.008516	0.83902	0.83902	0.00381	21.5	0.11714	0.065
		0.275866	22.303433	96.281143	9.75721	4.624893	0.810724	0.004795	0.311796	0.311796	0.000278	7.775252	0.168349	0
		0.273148	22.08369	95.313469	9.661077	4.579326	0.776209	0.004748	0.308724	0.308724	0.000275	7.444237	0.166657	0
		7	65	1	13	5	1	0	0	0	0	14	0	0
		7	125	172	42	19	3	0	1	1	0	33	0	0

Zinc	Aluminium	Dissolved Organic Carbon	Chromium	Manganese (dissolved)	Manganese	Iron	Diazinon	Chlorophyll A	Gross Alpha	Gross Beta	Non lactose fermenter	E. Coli	Total coliforms	Presumptive Clostridia	Confirmed Clostridia	Presumptive total coliforms	Presumptive E.Coli
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	Bq/L	Bq/L	cfu/100 ml	cfu/100 ml	cfu/100 ml	cfu/100 ml	cfu/100 ml	cfu/100 ml	cfu/100 ml
	10			0.0022	2.4	21	0.011	100			39000	2000	15000	4100	4100	15000	2000
	1.2	4.2	0.0018	0.0022	0.22	2.5	0.0096	6.5			38000	2000	15000	1400	1400	15000	2000
	0.34			0.0022	0.065	0.62	0.0043	3			3900	200	3200	220	220	3200	200
	1			0.0033	0.4	2.2	0.0083	3			1300	100	1700	140	140	1700	100
	0.37	3.7	0.0007	0.0022	0.054	0.72	0.0066	3	0.034	0.056	8000	1000	13000	290	290	13000	1000
	2.4			0.0022	0.37	4.8	0.0065	7.2			7200	1400	2800	300	300	2800	1400
	0.4			0.0026	0.051	0.72	0.0051	3			9200	200	3100	330	330	3100	200
	2			0.0022	0.26	3.3	0.027	12			36000	3000	24000	740	740	24000	3000
	2.4			0.0022	0.69	5.4	0.03	5.4			10000	1000	8000	580	580	8000	1000
	1.3			0.0022	0.29	2.4	0.024	26			4000	600	2200	220	220	2200	600
	0.3			0.0022	0.058	0.66	0.019	4.2			810	150	680	150	150	680	150
	0.21	3.8	0.00037	0.0023	0.033	0.51	0.021	3	0.065	0.127	19000	1000	17000	2000	2000	17000	1000
	0.11			0.0026	0.027	0.37	0.013	4.9			2000	100	1700	98	98	1700	100
	0.35			0.0029	0.12	1.1	0.01	12			420	40	380	210	210	380	40
	0.17	2.6	0.00024	0.0032	0.052	0.57	0.0043	3.6	0.034	0.018	6000	300	600	65	65	600	300
	10			0.0022	4.9	23	0.0043	33			32000	1000	11000	1600	1600	11000	1000
	0.29			0.0054	0.034	0.74	0.013	13			32000	5000	12000	340	340	12000	5000
	0.11			0.0039	0.045	0.45	0.0043	9.6			4400	400	1000	66	66	1000	400
	0.33			0.004	0.11	0.94	0.0043	11			770	700	820	62	62	820	700
	0.1			0.0036	0.029	0.38	0.0043	6.8			920	130	250	47	47	250	130
	0.099			0.0028	0.025	0.33	0.0043	4			5200	300	700	55	55	700	300
	2.5	3.4	0.0039	0.0026	0.39	5.3	0.0096	7	0.034	0.034	800	300	2300	450	450	2300	300
	0.42			0.0026	0.12	0.98	0.0043	25			20000	4000	6000	310	310	6000	4000
		2.6	0.0002							0.269							
	12			0.0029	7.2	25	0.0043	120			10000	500	800	2200	2200	800	500
	0.47			0.0022	0.17	1.1	0.0043	13			7300	100	100	320	320	100	100
	0.37			0.0022	0.13	0.93	0.0043	3			3700	200	1000	210	210	1000	200
	1.7			0.0022	0.59	3.8	0.0043				6300	400	1700	1100	1100	1700	400
	0.49			0.0022	0.15	1.1	0.0043	14			4900	500	600	200	200	600	500
	0.4	2.2	0.00061	0.0022	0.097	0.86	0.0043	11	0.071	0.151	5000	100	200	1400	1400	200	100
	0.61			0.0022	0.15	1.2	0.0043	9.2			900	100	400	120	120	400	100
	0.26			0.0022	0.051	0.54	0.0043	23			6100	100	500	900	900	500	100
	4.4			0.0022	1	8.2	0.0043	24			4700	100	200	1700	1700	200	100
	0.72			0.0022	0.17	1.5	0.0043	11			2600	100	400	350	350	400	100
	0.21			0.0022	0.043	0.42	0.0043	7			600	20	160	140	140	160	20
0.02		2	0.0019						0.088	0.138							
	0.71			0.0022	0.13	1.4	0.0043	7.9			1600	100	200	230	230	200	100
	0.64			0.0022	0.094	1.3	0.0043	7.1			270	10	110	230	230	110	10
0.0095	0.42	2	0.00072	0.0022	0.071	0.82	0.0043	3.6	0.034	0.05	890	10	300	160	160	300	10
	0.47			0.0022	0.069	0.87	0.0043	3			720	30	620	140	140	620	30
	0.96			0.0022	0.13	1.7	0.0065	12			3200	500	2900	450	450	2900	500

	0.35			0.0022	0.037	0.6	0.0043	6			2700	100	700	150	150	700	100
	0.58			0.0025	0.036	0.82		5			2400	1000	3400			3400	1000
	0.38			0.0022	0.068	0.67		3			3000	300	1000	170	170	1000	300
0.0087		2.6		0.0029			0.0043	3	0.046	0.069	12000	3000	14000	490	490	14000	3000
	2.4			0.0031	0.33	4.9	0.0043	7.5			10000	4000	13000	700	700	13000	4000
	1.4			0.0067	0.09	2.2	0.0044	4.6			8000	3000	12000	590	590	12000	3000
0.16	5.8	3.7	0.0092	0.0022	0.97	12	0.0043	160	0.9	1.235	24000	1000	8000	500	500	8000	1000
	0.11			0.0022	0.0088	0.21	0.017	3			1800	100	1100	270	270	1100	100
	0.13			0.0022	0.012	0.24	0.059	3			1500	100	1400	170	170	1400	100
0.0047	0.15	2.1	0.00032	0.0031	0.016	0.25	0.0043	3	0.034	0.035	2000	100	3400	260	260	3400	100
	0.25			0.0036	0.023	0.41	0.0083	3			1200	100	1000	140	140	1000	100
	0.44			0.0051	0.043	0.85	0.0046	3			2600	400	1900	190	190	1900	400
5	50	12	11	51	50	50	49	50	10	11	51	51	51	50	50	51	51
0.0047	0.099	2	0.0002	0.0022	0.0088	0.21	0.0043	3	0.034	0.018	270	10	100	47	47	100	10
0.16	12	4.2	0.0092	0.0067	7.2	25	0.059	160	0.9	1.235	39000	5000	24000	4100	4100	24000	5000
0.04058	1.46438	2.908333	0.001815	0.0027	0.452436	3.0576	0.008855	15.582	0.134	0.198364	########	803.72549	4186.666667	545.06	545.06	4186.666667	803.72549
0.066997	2.604175	0.800521	0.002687	0.000923	1.238544	5.561233	0.009713	29.825737	0.269845	0.351544	########	########	5695.185218	732.317301	732.317301	5695.185218	1181.167153
0.059924	2.578001	0.76644	0.002562	0.000914	1.226096	5.505339	0.009613	29.525973	0.255997	0.335184	########	########	5639.07365	724.957141	724.957141	5639.07365	1169.529754
0	0	2	0	0	0	0	0	3	0	0	660	25	180	63	63	180	25
0	8	3	0	0	1	16	0	69	0	0	34000	3500	15000	1864	1864	15000	3500

DETERMINANDS																
Presumptive Count	Confirmed Enterococci	Tritium	Metamitron	Nitrate/Nitrite ratio	Epoxyconazole	Flufenacet	Metazachlor	Metconazole	Tebuconazole	6:2PTS	Branched PFOS	Linear PFOS	PFBA	PFBS	PFDA	PFDoA
cfu/100 ml	cfu/100 ml	Bq/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
4100	4100			0.12												
7900	7900		0.0041	0.14	0.0037	0.0043	0.0036	0.0046	0.0039							
89	89			0.12												
										1	0.65	0.65	2	1	1	1
90	90			0.13												
		3	0.0041	0.12	0.0037	0.0043	0.0036	0.0046	0.0039							
2600	2600			0.12												
230	230			0.091												
7700	7700			0.11												
1200	1200			0.078												
210	210			0.081												
170	170			0.057												
132	132	3	0.0041	0.057	0.0037	0.0043	0.0036	0.0046	0.0039							
84	84			0.056												
130	130			0.056												
81	81	3	0.0041	0.056	0.0037	0.0043	0.0036	0.0046	0.0039							
										2	1.3	1.3	4.5	2	2	2
230	230			0.056												
2000	2000			0.056												
43	43			0.056												
77	77			0.056												
40	40			0.062												
36	36			0.056												
850	850	3	0.0041	0.056	0.0037	0.0043	0.0036	0.0046	0.0039							
1380	1380			0.071												
		3	0.0041		0.0037	0.0043	0.0036	0.0046	0.0039							
186	186			0.056												
44	44			0.056												
450	450			0.061												
83	83			0.056												
47	47			0.063												
34	34		0.0041	0.056	0.0037	0.0043	0.0036	0.0046	0.0039							
										1	0.65	0.65	3	1	1	1
17	17			0.056												
29	29			0.056												
7	7			0.056												
29	29			0.056												
4	4			0.056												
		3	0.0041		0.0037	0.0043	0.0036	0.0046	0.0039							
12	12			0.068												
7	7			0.063												
12	12	3	0.0041	0.056	0.0037	0.0043	0.0036	0.0046	0.0039							
16	16			0.056												
390	390			0.063												

38	38			0.087												
										5	3.2	3.2	10	5	5	5
770	770			0.086												
81	81			0.11												
1300	1300		0.0041	0.11	0.0037	0.0043		0.0046	0.0039							
770	770			0.13												
2000	2000			0.067												
9400	9400	3	0.0041	0.088	0.0037	0.0043	0.0036	0.0046	0.0039							
106	106			0.11												
178	178			0.14												
104	104	3	0.0041	0.063	0.0037	0.0043	0.0036	0.0046	0.0039							
83	83			0.094												
152	152			0.13												
50	50	9	12	51	12	12	11	12	12	4	4	4	4	4	4	4
4	4	3	0.0041	0.056	0.0037	0.0043	0.0036	0.0046	0.0039	1	0.65	0.65	2	1	1	1
9400	9400	3	0.0041	0.14	0.0037	0.0043	0.0036	0.0046	0.0039	5	3.2	3.2	10	5	5	5
914.42	914.42	3	0.0041	0.078627	0.0037	0.0043	0.0036	0.0046	0.0039	2.25	1.45	1.45	4.875	2.25	2.25	2.25
2057.905058	2057.905058	0	0	0.028245	0	0	0	0	0	1.892969	1.206234	1.206234	3.567796	1.892969	1.892969	1.892969
2037.22207	2037.22207	0	0	0.027966	0	0	0	0	0	1.63936	1.044629	1.044629	3.089802	1.63936	1.63936	1.63936
9	9	3	0	0	0	0	0	0	0	1	0	0	2	1	1	1
6079	6079	3	0	0	0	0	0	0	0	4	2	2	9	4	4	4

PFHpA	PFHpS	PFHxA	PFHxS	PFNA	PFOA	PFOSA	PFPA	PFUnA	Total PFOS	Propyzamide	Chlorpirifos ethyl	Triclopyr	Clopyralid	2,4 DB	Chlorothalonil	Fluroxypyr
ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
										0.0034	0.0016	0.0034	0.0032	0.004		0.0042
1	1	1	1	1	0.65	2	1	1	0.65							
										0.0034	0.0016	0.0034	0.0024	0.004		0.0042
										0.0034	0.0016	0.0034	0.0024	0.004	0.0028	0.0042
										0.0034	0.0016	0.0034	0.0024	0.004	0.0028	0.0042
2	2	2	2	2	1.3	4	2	2	1.3							
										0.0034	0.0016	0.0034	0.0024	0.004		0.0042
										0.0034	0.0016	0.0034	0.0024	0.004	0.0028	0.0042
										0.0034	0.0016	0.0034	0.0045	0.004		0.0042
1	1	1	1	1	1.5	2	1	1	0.65							
										0.0034	0.0016	0.0082	0.0024	0.004	0.0028	0.0042
										0.0034	0.003	0.0034	0.0024	0.004	0.0028	0.0042

5	5	5	5	5	3.2	10	5	5	3.2							
										0.0034	0.0016	0.0034	0.0024	0.004		0.0042
										0.0034	0.0016	0.0034	0.0024	0.004	0.0028	0.0042
										0.0034	0.0016				0.0028	
4	4	4	4	4	4	4	4	4	4	12	12	11	11	11	7	11
1	1	1	1	1	0.65	2	1	1	0.65	0.0034	0.0016	0.0034	0.0024	0.004	0.0028	0.0042
5	5	5	5	5	3.2	10	5	5	3.2	0.0034	0.003	0.0082	0.0045	0.004	0.0028	0.0042
2.25	2.25	2.25	2.25	2.25	1.6625	4.5	2.25	2.25	1.45	0.0034	0.001717	0.003836	0.002664	0.004	0.0028	0.0042
1.892969	1.892969	1.892969	1.892969	1.892969	1.087332	3.785939	1.892969	1.892969	1.206234	0	0.000404	0.001447	0.000655	0	0	0
1.63936	1.63936	1.63936	1.63936	1.63936	0.941657	3.278719	1.63936	1.63936	1.044629	0	0.000387	0.00138	0.000624	0	0	0
1	1	1	1	1	0	2	1	1	0	0	0	0	0	0	0	0
4	4	4	4	4	2	9	4	4	2	0	0	0	0	0	0	0

Asulam	Glyphosate	Methyl isoborneol	Geosmin	Metaldehyde	Mecoprop	2,4 D	Dicamba	MCPA	Chlormequat	Total pesticides	Pendimethalin
µg/L	µg/L	ng/L	ng/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		2.4	3.5								
		1.9	5.1		0.0026	0.0024	0.0068	0.0032	0.0042		0.005
		0.48	1.8		0.0026	0.0024		0.0032			
	0.002	0.48	2.1		0.0026	0.0024		0.0032			
0.0033	0.0026	1.6	2.3	0.0024	0.0026	0.0024	0.0068	0.0032	0.0042	0.0092	0.005
0.0066	0.0043	0.96	2.6		0.0051	0.0024		0.0032		0.023	
0.0033	0.004	1	3.2		0.0026	0.0024		0.0032		0.0051	
0.0033	0.0053	2.4	4		0.0026	0.0024		0.0032		0.032	
0.0033	0.003	2.5	4.3		0.0026	0.0024		0.0032		0.033	
0.0033	0.0024	0.96	5		0.0059	0.0038		0.0045		0.041	
0.0033		1.1	3.5		0.0026	0.0024		0.0032		0.019	
0.0033	0.002	2	5	0.0024	0.0026	0.0024	0.0068	0.0032	0.0042	0.021	0.005
0.0033	0.002	1.4	2.6		0.0026	0.0029		0.0032		0.016	
0.0033	0.005	3.1	4.7		0.0026	0.0024		0.0032		0.015	
0.0033	0.0023	4.1	4.1	0.0024	0.0026	0.0024	0.0068	0.0032		0.0023	0.005
0.0091	0.018	7.5	6.2		0.0026	0.0024		0.0049		0.032	
0.011	0.0059	4.9	7		0.0026	0.0024		0.0038		0.034	
0.0033	0.002	6.4	4.8		0.0026	0.0024		0.0032		0	
0.0033	0.002	5.7	4.1		0.0026	0.0024		0.0069		0.0069	
0.0033	0.002	5.4	4.2		0.0026	0.0024		0.0032		0	
0.0033		4.7	4.5		0.0026	0.0024		0.0032		0	
0.0033	0.0046	1.7	3.8	0.0024	0.0026	0.0024	0.0068	0.022	0.0042	0.036	0.005
0.0033	0.037	2.7	2.6		0.0026	0.0024		0.0038		0.041	
				0.0024			0.0068		0.0042	0	0.005
0.0033	0.002				0.0026	0.0024		0.0032		0	
0.0033	0.002	3.2	3.6		0.0026	0.0024		0.0032		0	
0.0033	0.002	1.9	2.9		0.0026	0.0024		0.0032		0	
0.0033	0.0081	1.4	3.6		0.0026	0.0062		0.0098		0.024	
0.0033	0.034	1	3		0.0026	0.0029		0.22		0.26	
0.0033	0.0048	1.3	4.1	0.0024	0.0026	0.0024	0.0068	0.0046	0.0042	0.014	0.005
0.0033	0.0071	2.3	11		0.017	0.003		0.0041		0.031	
0.0033	0.01	3.8	18		0.3	0.025		0.028		0.36	
0.0033	0.0027	1.6	8.7		0.0026	0.0024		0.0032		0.0027	
0.0033	0.0052	2.4	5.8		0.0026	0.0024		0.0032		0.0052	
0.0033	0.003	0.75	6.1		0.0026	0.0024		0.0032		0.003	
				0.0024			0.0068		0.0042	0.0082	0.005
0.0033	0.0039	4.5	8.6		0.0026	0.0024		0.0032		0.0039	
0.0033	0.002	0.57	2.6		0.0026	0.0024		0.0032		0	
0.0033	0.0024	0.57	4.4	0.0024	0.0026	0.0024	0.0068	0.0032	0.0042	0.0054	
0.0033	0.0035	0.48	3.4		0.0026	0.0024		0.0032		0.0035	
0.0033	0.0082	1.1	3.4		0.0026	0.0024		0.0032		0.015	

0.0033	0.0025	0.75	4.3		0.0026	0.0024		0.0032		0.0025	
	0.002	0.57	2.2			0.0024				0	
0.0033	0.0036	0.57	1.2		0.0026	0.0024		0.0032		0.0036	
0.0033	0.0068	0.57	1.8	0.0024	0.0026	0.0024	0.0068	0.0032	0.0042	0.0068	0.005
0.0033	0.0057	2.3	2.6		0.0026	0.0024		0.0032		0.0057	
0.0033	0.0043	1.2	2.4		0.0026	0.0024		0.0032		0.0087	
0.0033	0.011	2.4	6.3	0.0024	0.0026	0.0024	0.0068	0.0032	0.0042	0.011	0.005
0.0033	0.0029	0.57	2.3		0.0026	0.0024		0.0068		0.027	
0.0033	0.0044	0.57	2.4		0.0026	0.0024		0.0032		0.063	
	0.002	0.57	2.1						0.0042	0.002	0.005
0.0033	0.0047	0.62	1.7		0.0026	0.0024		0.0032		0.013	
0.0033	0.002	1.6	3.5		0.0026	0.0024		0.0032		0.0046	
45	46	50	50	10	48	49	11	48	11	49	11
0.0033	0.002	0.48	1.2	0.0024	0.0026	0.0024	0.0068	0.0032	0.0042	0	0.005
0.011	0.037	7.5	18	0.0024	0.3	0.025	0.0068	0.22	0.0042	0.36	0.005
0.003673	0.005635	2.0908	4.26	0.0024	0.009217	0.003	0.0068	0.00905	0.0042	0.025516	0.005
0.001489	0.00712	1.719046	2.767523	0	0.042917	0.003261	0	0.031422	0	0.061836	0
0.001472	0.007042	1.701768	2.739708	0	0.042468	0.003227	0	0.031093	0	0.061201	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	5	8	0	0	0	0	0	0	0	0