

Appendix IV.2

The 2004-2006 Survey of Tidal Waters

Summary Statistics for each Water Body Assessed between 2002 and 2006

		Salinity psu	Sample Sal psu	Temp °C	pH	Secchi depth m	DO % sat	B.O.D. mg/l	TON mg/l	NH ₃ /NH ₄ mg/l	Free NH ₃ Surface	DIN mg/l N	MRP µg/l P	Chlorophyll mg/m ³	TSAS Classification	
1 Castletown Estuary															Eutrophic	
Winter	Minimum	0.0	0.0	6.5	7.8		96.0		3.43	0.080	0.0011	3.610	30	3.0	Threshold Value Score Overall	
	Median	1.2	1.2	7.2	7.9		98		4.50	0.150	0.0021	4.600	50	4.0	Winter DIN 2.529 4.600 Fail	
	Maximum	8.3	8.3	7.8	8.0		100		4.78	0.840	0.0142	5.600	70	5.0	Winter MRP 60 50 Pass	
	<i>n</i>	5	5	5	5		5		5	5	5	5	5	5	DIN 0.953 0.765 Pass	
Summer	Minimum	0.0	0.0	13.2	7.4	0.1	64.8	1.0	0.01	0.009	0.0002	0.018	10	2.0	MRP 52 70 Fail	
	Median	24.3	23.5	16.2	7.9	0.7	92	2.7	0.58	0.150	0.0045	0.765	70	20.0	Chloro. Median 13.1 20.0 Fail	
	Maximum	32.3	32.3	18.3	8.5	1.8	156	8.5	2.72	0.840	0.0272	2.920	430	91.0	Chloro 90 percentile 26.1 56.0 Fail	
	<i>n</i>	115	84	118	108	57	118	100	118	118	118	118	118	104	DO%sat 5 percentile 74 69.8 Fail	
															DO%sat 95 percentile 126 119.0 Pass	
2 Inner Dundalk Bay															Intermediate	
Winter	Minimum														Threshold Value Score Overall	
	Median														Winter DIN	
	Maximum														Winter MRP	
	<i>n</i>														DIN 0.442 0.070 Pass	
Summer	Minimum	16.7	16.7	13.5	7.8	0.4	81.1	1.0	0.01	0.009	0.0002	0.018	10	2.0	MRP 43 20 Pass	
	Median	32.0	32.3	15.8	8.1	1.2	99	1.8	0.01	0.040	0.0014	0.070	20	10.0	Chloro. Median 10.8 10.0 Pass	
	Maximum	34.0	33.8	27.3	8.2	3.3	118	3.8	1.28	0.520	0.0225	1.410	240	67.0	Chloro 90 percentile 21.7 29.0 Fail	
	<i>n</i>	109	74	109	101	54	109	67	110	110	110	110	109	103	DO%sat 5 percentile 78 87.2 Pass	
															DO%sat 95 percentile 122 110.4 Pass	
3 Outer Dundalk Bay															Unpolluted	
Winter	Minimum	32.4	32.4	7.8	8.0		99.0		0.14	0.110	0.0021	0.143	21	13.0	Threshold Value Score Overall	
	Median	33.4	33.4	7.8	8.0		99		0.19	0.110	0.0021	0.192	28	13.0	Winter DIN 0.378 0.192 Pass	
	Maximum	34.0	34.0	7.8	8.0		99		0.31	0.110	0.0021	0.420	70	13.0	Winter MRP 42 28 Pass	
	<i>n</i>	18	14	1	1		1		18	1	1	18	18	1	DIN 0.378 0.029 Pass	
Summer	Minimum	3.8	32.4	12.7	8.0	2.4	89.1	1.0	0.01	0.009	0.0003	0.019	10	2.0	MRP 42 10 Pass	
	Median	33.7	33.6	14.5	8.1	3.4	97	1.5	0.01	0.010	0.0004	0.029	10	3.0	Chloro. Median 10.6 3.0 Pass	
	Maximum	34.1	33.8	16.1	8.2	4.6	108	2.5	0.07	0.060	0.0025	0.090	20	13.0	Chloro 90 percentile 21.1 9.0 Pass	
	<i>n</i>	36	16	36	25	20	36	18	37	37	37	37	37	37	DO%sat 5 percentile 79 91.0 Pass	
															DO%sat 95 percentile 121 108.0 Pass	

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal	psu	°C	depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
4 Boyne Estuary																Intermediate
Winter	Minimum	0.1	0.1	5.6	7.9		86.0		3.94	0.090	0.0014	0.090	60	2.0	Threshold Value Score Overall	
	Median	0.3	0.3	6.0	8.0		91		4.91	0.100	0.0017	0.100	60	4.0	Winter DIN 2.600 2.968 Fail	
	Maximum	6.3	6.3	6.4	8.1		94		4.99	0.110	0.0019	0.110	70	15.0	Winter MRP 60 52 Pass	
	<i>n</i>	8	8	8	8		8		8	8	8	8	8	8	DIN 2.600 2.165 Pass	
Summer	Minimum	0.3	0.3	9.8	7.8	0.7	75.2	1.0	0.01	0.009	0.0002	0.010	10	1.9	MRP 60 29 Pass	
	Median	19.9	18.2	15.7	8.1	1.5	95	1.5	0.70	0.025	0.0011	0.185	20	7.0	Chloro. Median 15.0 10.5 Pass	
	Maximum	33.8	35.6	21.1	8.2	5.0	144	8.1	4.48	0.290	0.0086	4.540	230	63.0	Chloro 90 percentile 30.0 18.2 Pass	
	<i>n</i>	208	185	217	153	99	193	183	220	220	220	220	220	194	DO%sat 5 percentile 70 90.4 Pass	
																DO%sat 95 percentile 130 127.1 Pass
5 Boyne Estuary plume Zone																Unpolluted
Winter	Minimum	30.8	30.8						0.14			0.135	20		Threshold Value Score Overall	
	Median	33.6	33.5						0.18			0.177	25		Winter DIN 0.378 0.177 Pass	
	Maximum	34.0	34.0						0.43			0.432	34		Winter MRP 42 25 Pass	
	<i>n</i>	17	13						17			17	17		DIN 0.378 0.039 Pass	
Summer	Minimum	29.9	29.9	12.4	8.0	1.0	69.5	1.0	0.01	0.009	0.0003	0.010	10	1.9	MRP 42 10 Pass	
	Median	33.7	33.7	15.1	8.0	3.3	95	1.5	0.02	0.010	0.0005	0.039	10	3.0	Chloro. Median 10.6 3.0 Pass	
	Maximum	34.0	33.8	16.4	8.2	4.6	105	2.2	1.58	1.250	0.0760	1.590	100	46.0	Chloro 90 percentile 21.1 12.9 Pass	
	<i>n</i>	37	28	37	22	23	29	26	38	38	38	38	38	30	DO%sat 5 percentile 79 85.8 Pass	
																DO%sat 95 percentile 121 104.7 Pass
6 Rogerstown Estuary (inner)																Eutrophic
Winter	Minimum	1.2	1.2	6.7	7.9		93.0		2.97	0.250	0.0045	3.280	86	4.0	Threshold Value Score Overall	
	Median	5.2	5.2	8.4	8.0		94		5.72	0.310	0.0065	6.500	180	8.1	Winter DIN 2.247 6.500 Fail	
	Maximum	19.4	19.4	8.5	8.1		96		6.46	0.780	0.0128	6.710	180	15.3	Winter MRP 60 180 Fail	
	<i>n</i>	3	3	3	3		3		3	3	3	3	3	3	DIN 0.506 0.210 Pass	
Summer	Minimum	15.6	15.6	13.2	7.8	0.1	63.0	1.1	0.01	0.010	0.0004	0.070	15	3.2	MRP 44 87 Fail	
	Median	31.3	31.3	17.6	8.1	0.5	101	2.0	0.09	0.142	0.0055	0.210	87	9.3	Chloro. Median 11.1 9.3 Pass	
	Maximum	34.1	34.1	24.9	8.8	999.0	290	7.0	2.05	0.570	0.0259	2.450	350	304.7	Chloro 90 percentile 22.2 24.2 Fail	
	<i>n</i>	33	33	33	33	11	32	33	33	30	30	30	33	33	DO%sat 5 percentile 78 68.4 Fail	
																DO%sat 95 percentile 122 155.5 Fail

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal	psu	°C	depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
7 Rogerstown Estuary (outer)																Intermediate
Winter	Minimum	21.5	21.5	8.1	7.9		96.0		0.20	0.020	0.0004	0.220	32	2.4	Threshold Value Score Overall	
	Median	33.1	33.1	9.0	8.0		97		0.38	0.050	0.0010	0.430	37	2.4	Winter DIN 0.378 0.430 Fail	
	Maximum	34.5	34.5	9.0	8.0		98		2.41	0.230	0.0032	2.640	81	4.0	Winter MRP 42 37 Pass	
	<i>n</i>	3	3	3	3		2		3	3	3	3	3	3	DIN 0.378 0.040 Pass	
Summer	Minimum	23.5	23.5	13.1	7.8	0.2	78.0	0.6	0.01	0.010	0.0002	0.020	5	1.6	MRP 42 25 Pass	
	Median	33.4	33.2	16.0	8.2	3.0	108	2.0	0.01	0.010	0.0008	0.040	25	2.8	Chloro. Median 10.6 2.8 Pass	
	Maximum	34.2	34.1	20.9	8.6	999.0	185	2.1	0.12	0.151	0.0085	0.204	80	21.0	Chloro 90 percentile 21.1 6.2 Pass	
	<i>n</i>	57	47	57	48	21	52	37	45	45	45	45	42	47	DO%sat 5 percentile 79 90.3 Pass	
															DO%sat 95 percentile 121 127.8 Fail	
8 Rogerstown Estuary Adjacent Coastal																Unpolluted
Winter	Minimum	33.2	33.2						0.10			0.096	16		Threshold Value Score Overall	
	Median	34.2	34.2						0.13			0.125	21		Winter DIN 0.314 0.125 Pass	
	Maximum	34.3	34.3						0.23			0.234	30		Winter MRP 41 21 Pass	
	<i>n</i>	8	8						8			8	8		DIN 0.378 0.040 Pass	
Summer	Minimum	32.5	32.5	12.2	8.0	2.5	88.9	2.0	0.01	0.010	0.0004	0.020	6	0.4	MRP 42 10 Pass	
	Median	33.8	33.5	15.0	8.1	4.5	101	2.0	0.02	0.010	0.0006	0.040	10	4.8	Chloro. Median 10.6 4.8 Pass	
	Maximum	34.3	34.0	16.8	8.4	6.0	117	4.0	0.17	0.040	0.0018	0.180	20	9.3	Chloro 90 percentile 21.1 7.4 Pass	
	<i>n</i>	68	47	67	51	31	65	7	43	42	42	43	35	49	DO%sat 5 percentile 79 92.4 Pass	
															DO%sat 95 percentile 121 114.8 Pass	
9 Broadmeadow Estuary (inner)																Eutrophic
Winter	Minimum	3.4	3.4	7.1	6.3		87.0		0.46	0.040	0.0000	0.500	34	0.8	Threshold Value Score Overall	
	Median	27.6	27.6	7.6	6.7		92		1.32	0.100	0.0004	1.420	46	2.4	Winter DIN 0.761 1.420 Fail	
	Maximum	33.0	33.0	8.4	8.0		102		5.62	0.450	0.0017	6.070	208	7.7	Winter MRP 49 46 Pass	
	<i>n</i>	6	6	6	6		6		6	6	6	6	6	6	DIN 0.506 0.054 Pass	
Summer	Minimum	4.3	4.3	12.7	8.0	0.6	12.3	2.0	0.01	0.010	0.0003	0.020	10	4.4	MRP 44 40 Pass	
	Median	31.6	31.4	18.1	8.2	1.0	101	3.0	0.02	0.010	0.0010	0.054	40	15.7	Chloro. Median 11.1 15.7 Fail	
	Maximum	33.9	33.7	21.5	8.5	3.0	152	6.0	0.60	0.120	0.0050	0.720	270	40.7	Chloro 90 percentile 22.2 26.2 Fail	
	<i>n</i>	99	75	99	94	75	99	80	79	79	79	79	99	99	DO%sat 5 percentile 78 74.1 Fail	
															DO%sat 95 percentile 122 138.0 Fail	

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal	psu	°C	depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
10 Broadmeadow Estuary (outer)																Intermediate
Winter	Minimum	29.0	29.0	7.1	6.4		93.0		0.14	0.030	0.0000	0.170	34	1.6	Threshold Value Score Overall	
	Median	29.4	29.4	7.1	7.9		95		1.07	0.070	0.0005	1.140	40	2.4	Winter DIN 0.633 1.140 Fail	
	Maximum	32.8	32.8	8.0	8.0		95		1.12	0.090	0.0014	1.210	46	3.2	Winter MRP 47 40 Pass	
	<i>n</i>	5	5	5	5		5		5	5	5	5	5	5	DIN 0.378 0.040 Pass	
															MRP 42 19 Pass	
Summer	Minimum	30.4	30.4	12.5	8.0	0.6	80.0	2.0	0.01	0.010	0.0003	0.020	10	1.6	Chloro. Median 10.6 2.8 Pass	
	Median	33.8	33.1	15.4	8.1	3.1	102	2.0	0.01	0.010	0.0006	0.040	19	2.8	Chloro 90 percentile 21.1 6.4 Pass	
	Maximum	34.2	33.8	18.8	8.5	5.0	117	3.0	0.30	0.110	0.0053	0.410	71	12.1	DO%sat 5 percentile 79 92.9 Pass	
	<i>n</i>	55	31	55	39	25	55	30	40	40	40	40	36	43	DO%sat 95 percentile 121 109.6 Pass	
11 Broadmeadow Estuary Adjacent Coastal																Unpolluted
Winter	Minimum	33.3	33.3	7.8	7.9		103.0		0.11	0.030	0.0005	0.110	14	2.4	Threshold Value Score Overall	
	Median	34.3	34.3	7.8	7.9		103		0.13	0.030	0.0005	0.134	22	2.4	Winter DIN 0.314 0.134 Pass	
	Maximum	34.7	34.3	7.8	7.9		103		0.23	0.030	0.0005	0.234	34	2.4	Winter MRP 41 22 Pass	
	<i>n</i>	9	7	1	1		1		9	1	1	9	9	1	DIN 0.378 0.040 Pass	
															MRP 42 10 Pass	
Summer	Minimum	32.5	32.5	11.9	8.0	2.5	88.9	2.0	0.01	0.010	0.0003	0.020	6	0.4	Chloro. Median 10.6 4.0 Pass	
	Median	33.8	33.5	14.5	8.1	4.5	100	2.0	0.02	0.010	0.0004	0.040	10	4.0	Chloro 90 percentile 21.1 7.3 Pass	
	Maximum	34.2	34.0	16.8	8.4	6.0	117	2.0	0.17	0.040	0.0016	0.180	50	9.3	DO%sat 5 percentile 79 91.5 Pass	
	<i>n</i>	79	47	79	60	35	77	11	57	57	57	57	49	64	DO%sat 95 percentile 121 109.5 Pass	
12 Liffey Estuary																Intermediate
Winter	Minimum	0.5	0.5	3.6	7.4	0.3	78.5	2.0	0.05	0.010	0.0000	0.074	5	1.2	Threshold Value Score Overall	
	Median	31.5	31.5	8.3	7.9	1.3	99	2.0	0.30	0.080	0.0013	0.421	45	1.7	Winter DIN 0.506 0.421 Pass	
	Maximum	34.5	34.5	18.0	8.2	4.0	156	13.0	3.02	8.270	0.0406	10.245	1253	6.3	Winter MRP 44 45 Fail	
	<i>n</i>	500	497	489	479	269	488	383	493	462	462	493	501	248	DIN 0.442 0.197 Pass	
															MRP 43 38 Pass	
Summer	Minimum	0.3	0.3	9.6	7.4	0.5	60.7	1.0	0.01	0.009	0.0000	0.018	5	0.0	Chloro. Median 10.8 3.2 Pass	
	Median	32.8	32.8	14.2	8.0	2.0	98	2.0	0.08	0.070	0.0022	0.197	38	3.2	Chloro 90 percentile 21.7 5.6 Pass	
	Maximum	34.4	34.1	23.8	8.3	7.5	143	27.0	2.45	2.518	0.0529	2.638	1068	101.0	DO%sat 5 percentile 78 80.0 Pass	
	<i>n</i>	1207	1151	1205	1190	617	1166	910	1176	1184	1184	1176	1084	616	DO%sat 95 percentile 122 119.0 Pass	

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal psu	°C		depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
13 Dublin Bay																Unpolluted
Winter	Minimum	30.7	30.7	6.4	7.9	1.0	93.7	2.0	0.04	0.010	0.0000	0.053	5	1.3	Threshold Value Score Overall	
	Median	33.6	33.6	9.1	8.0	1.8	99	2.0	0.16	0.035	0.0005	0.192	26	1.7	Winter DIN 0.378 0.192 Pass	
	Maximum	34.4	34.4	12.0	8.1	5.8	113	6.0	0.33	0.171	0.0045	0.446	54	4.1	Winter MRP 42 26 Pass	
	<i>n</i>	209	205	204	187	204	204	153	209	205	205	209	209	195	DIN 0.378 0.030 Pass	
															MRP 42 10 Pass	
Summer	Minimum	32.5	32.5	10.1	7.9	1.5	86.2	2.0	0.01	0.010	0.0003	0.019	4	0.4	Chloro. Median 10.6 3.3 Pass	
	Median	33.9	33.9	14.5	8.1	3.5	101	2.0	0.01	0.010	0.0005	0.030	10	3.3	Chloro 90 percentile 21.1 6.5 Pass	
	Maximum	34.7	34.3	18.0	8.3	8.0	953	7.0	0.09	0.112	0.0038	0.163	51	17.6	DO%sat 5 percentile 79 95.6 Pass	
	<i>n</i>	281	239	281	270	231	277	123	270	271	271	270	235	248	DO%sat 95 percentile 121 116.1 Pass	
14 Dublin Bay Adjacent Coastal																Unpolluted
Winter	Minimum	32.8	32.8						0.09			0.090	8		Threshold Value Score Overall	
	Median	34.0	34.0						0.13			0.134	20		Winter DIN 0.314 0.134 Pass	
	Maximum	34.5	34.5						0.24			0.241	29		Winter MRP 41 20 Pass	
	<i>n</i>	38	29						45			45	45		DIN 0.378 0.040 Pass	
															MRP 42 10 Pass	
Summer	Minimum	32.8	32.8	11.9	8.0	1.8	86.8	2.0	0.01	0.010	0.0003	0.020	5	0.4	Chloro. Median 10.6 2.0 Pass	
	Median	33.9	33.4	13.6	8.1	4.5	100	2.0	0.01	0.010	0.0004	0.040	10	2.0	Chloro 90 percentile 21.1 4.8 Pass	
	Maximum	34.3	33.6	16.1	8.4	8.0	113	2.0	0.09	0.050	0.0021	0.110	50	43.5	DO%sat 5 percentile 79 94.3 Pass	
	<i>n</i>	199	87	200	151	86	193	35	163	163	163	163	116	169	DO%sat 95 percentile 121 105.6 Pass	
15 Avoca Estuary																Intermediate
Winter	Minimum	0.0	0.0	7.2	6.7		95.0		1.75	0.130	0.0001	1.910	11	1.2	Threshold Value Score Overall	
	Median	0.0	0.0	7.5	6.9		98		1.84	0.160	0.0002	2.000	14	2.0	Winter DIN 2.600 2.000 Pass	
	Maximum	1.0	1.0	7.5	7.1		99		1.94	0.190	0.0003	2.090	19	3.6	Winter MRP 60 14 Pass	
	<i>n</i>	14	14	14	14		14		14	14	14	14	14	14	DIN 2.176 1.160 Pass	
															MRP 60 16 Pass	
Summer	Minimum	0.0	0.0	12.6	6.3	0.0	13.0	2.0	0.02	0.010	0.0001	0.030	5	0.4	Chloro. Median 15.0 3.2 Pass	
	Median	6.2	4.0	16.4	7.5	1.7	87	2.0	0.95	0.150	0.0018	1.160	16	3.2	Chloro 90 percentile 30.0 9.1 Pass	
	Maximum	34.1	33.7	20.2	8.1	3.5	106	3.0	10.36	0.539	0.0069	10.580	96	31.8	DO%sat 5 percentile 70 45.2 Fail	
	<i>n</i>	77	47	77	76	33	77	71	73	73	73	73	77	77	DO%sat 95 percentile 130 97.5 Pass	

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		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal psu	°C		depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
19 South Wexford Harbour																Eutrophic
Winter	Minimum	14.3	14.3	11.2	8.1		93.0	1.0	1.80	0.150	0.0046	1.960	2	3.1	Threshold Value Score Overall	
	Median	19.7	19.7	11.4	8.2		98	2.2	2.00	0.165	0.0058	2.165	6	7.3	Winter DIN 1.272 2.165 Fail	
	Maximum	20.7	20.7	11.6	8.2		104	2.3	2.30	0.180	0.0070	2.470	10	16.3	Winter MRP 58 6 Pass	
	<i>n</i>	4	4	4	4		4	4	4	4	4	4	4	4	DIN 0.633 0.140 Pass	
															MRP 47 8 Pass	
Summer	Minimum	1.2	1.2	15.0	8.1	1.4	89.0	0.8	0.05	0.003	0.0004	0.070	3	3.1	Chloro. Median 11.7 14.4 Fail	
	Median	29.1	28.9	16.1	8.4	1.5	105	2.9	0.10	0.030	0.0025	0.140	8	14.4	Chloro 90 percentile 23.3 48.4 Fail	
	Maximum	34.1	34.1	21.3	9.1	1.6	150	6.5	0.70	0.203	0.0266	0.864	50	85.7	DO%sat 5 percentile 77 94.1 Pass	
	<i>n</i>	34	27	32	34	2	32	27	34	34	34	34	34	34	DO%sat 95 percentile 123 137.9 Fail	
20 Wexford Harbour																Eutrophic
Winter	Minimum	26.8	26.8	8.4	8.0		95.0	0.5	0.30	0.003	0.0001	0.310	6	1.1	Threshold Value Score Overall	
	Median	33.1	33.1	11.6	8.1		97	0.7	0.50	0.010	0.0003	0.510	6	2.4	Winter DIN 0.378 0.510 Fail	
	Maximum	34.6	34.6	11.8	8.1		101	1.7	1.30	0.100	0.0030	1.400	14	3.2	Winter MRP 42 6 Pass	
	<i>n</i>	18	18	18	18		18	18	15	18	18	15	18	18	DIN 0.506 0.130 Pass	
															MRP 44 6 Pass	
Summer	Minimum	7.4	7.4	12.1	8.1	0.6	90.0	0.6	0.05	0.010	0.0006	0.070	3	1.3	Chloro. Median 11.1 5.7 Pass	
	Median	31.7	31.7	16.1	8.2	1.3	101	1.9	0.10	0.030	0.0016	0.130	6	5.7	Chloro 90 percentile 22.2 26.0 Fail	
	Maximum	34.4	34.4	22.6	9.0	2.3	157	8.4	0.80	0.396	0.0514	0.994	400	228.3	DO%sat 5 percentile 78 94.8 Pass	
	<i>n</i>	59	40	59	57	11	56	38	59	57	57	59	59	57	DO%sat 95 percentile 122 131.0 Fail	
21 Wexford Harbour Adjacent Coastal																Unpolluted
Winter	Minimum	33.4	33.4						0.09			0.087	11		Threshold Value Score Overall	
	Median	34.5	34.6						0.14			0.141	15		Winter DIN 0.314 0.141 Pass	
	Maximum	34.8	34.8						0.28			0.283	20		Winter MRP 41 15 Pass	
	<i>n</i>	27	24						30			30	30		DIN	
															MRP	
															Chloro. Median	
															Chloro 90 percentile	
															DO%sat 5 percentile	
															DO%sat 95 percentile	

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														TSAS Classification	
														Intermediate	
														Overall	
														Winter DIN	
														Winter MRP	
														DIN	
														MRP	
														Chloro. Median	
														Chloro 90 percentile	
														DO%sat 5 percentile	
														DO%sat 95 percentile	

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal psu	°C		depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
28 Outer Waterford Harbour																Unpolluted
Winter	Minimum	25.8	25.8						0.08			0.081	15		Threshold Value Score	Overall
	Median	32.9	32.9						0.33			0.330	20		Winter DIN	0.442 0.330 Pass
	Maximum	34.4	34.4						1.24			1.236	27		Winter MRP	43 20 Pass
	<i>n</i>	12	12						13			13	13		DIN	0.314 0.110 Pass
Summer	Minimum	29.5	29.5	12.9	8.1	1.0	92.0	0.1	0.04	0.003	0.0001	0.003	6	1.3	MRP	41 10 Pass
	Median	34.4	34.4	16.1	8.2	4.0	101	1.2	0.10	0.010	0.0005	0.110	10	2.8	Chloro. Median	10.3 2.8 Pass
	Maximum	35.0	35.0	18.6	8.3	12.0	117	5.8	0.35	0.010	0.0007	0.353	20	9.6	Chloro 90 percentile	20.6 6.7 Pass
	<i>n</i>	96	96	96	33	33	72	33	30	33	33	33	33	33	DO%sat 5 percentile	79 93.6 Pass
															DO%sat 95 percentile	121 113.5 Pass
29 Waterford Harbour Adjacent Coastal																Unpolluted
Winter	Minimum	29.4	29.4						0.10				10		Threshold Value Score	Overall
	Median	34.6	34.6						0.15				16		Winter DIN	0.314 0.100 Pass
	Maximum	35.0	35.0						0.48				22		Winter MRP	41 16 Pass
	<i>n</i>	39	39						39				39		DIN	
Summer															MRP	
															Chloro. Median	
															Chloro 90 percentile	
															DO%sat 5 percentile	
															DO%sat 95 percentile	
30 Colligan Estuary																Intermediate
Winter	Minimum	0.0	0.0	8.0	7.7		84.0	0.5	0.10	0.010	0.0001	0.110	6	1.0	Threshold Value Score	Overall
	Median	29.6	29.6	11.0	8.0		93	0.9	0.50	0.010	0.0003	0.510	6	2.5	Winter DIN	0.633 0.510 Pass
	Maximum	34.3	34.3	12.4	8.1		105	5.3	3.70	0.350	0.0049	3.772	100	11.6	Winter MRP	47 6 Pass
	<i>n</i>	35	35	35	35		35	35	35	35	35	35	35	35	DIN	0.442 0.210 Pass
Summer	Minimum	0.0	0.1	12.6	7.5	0.8	62.0	0.6	0.03	0.001	0.0001	0.089	2	1.0	MRP	43 10 Pass
	Median	32.9	33.0	17.4	8.2	1.2	103	1.5	0.20	0.030	0.0018	0.210	10	5.0	Chloro. Median	10.8 5.0 Pass
	Maximum	34.6	34.6	22.4	8.7	4.0	152	8.4	4.60	0.820	0.1211	4.600	235	34.6	Chloro 90 percentile	21.7 12.7 Pass
	<i>n</i>	132	82	132	122	16	122	122	132	122	122	132	131	122	DO%sat 5 percentile	78 84.6 Pass
															DO%sat 95 percentile	122 144.0 Fail

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal	psu	°C	depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
31 Dungarvan Harbour																Intermediate
Winter	Minimum	30.7	30.7	11.2	8.1		92.0	0.5	0.05	0.010	0.0003	0.060	6	1.0	Threshold Value Score Overall	
	Median	34.6	34.6	12.3	8.1		93	1.0	0.10	0.010	0.0003	0.110	6	1.0	Winter DIN 0.314 0.110 Pass	
	Maximum	34.8	34.8	12.7	8.1		101	3.0	0.45	0.010	0.0003	0.460	30	5.8	Winter MRP 41 6 Pass	
	<i>n</i>	18	17	17	17		17	17	18	17	17	17	18	17	DIN 0.314 0.130 Pass	
Summer	Minimum	30.6	33.2	12.2	8.0	0.0	71.0	0.5	0.09	0.001	0.0001	0.092	3	0.0	MRP 41 6 Pass	
	Median	34.4	34.6	16.9	8.2	2.5	98	1.2	0.10	0.030	0.0013	0.130	6	1.7	Chloro. Median 10.3 1.7 Pass	
	Maximum	34.8	34.8	21.1	8.4	7.0	152	2.6	0.30	0.139	0.0061	0.439	11	16.0	Chloro 90 percentile 20.6 3.8 Pass	
	<i>n</i>	113	67	113	113	19	113	113	113	113	113	113	113	113	DO%sat 5 percentile 79 87.0 Pass	
															DO%sat 95 percentile 121 144.0 Fail	
32 Upper Blackwater Estuary																Eutrophic
Winter	Minimum	0.0	0.0	9.0	7.6	0.5	87.0		2.35	0.051	0.0005	2.418	35		Threshold Value Score Overall	
	Median	0.0	0.0	9.2	7.7	0.8	90		2.87	0.066	0.0011	2.922	38		Winter DIN 2.600 2.922 Fail	
	Maximum	0.0	0.0	9.2	8.0	1.0	95		5.18	0.305	0.0027	5.485	47		Winter MRP 60 38 Pass	
	<i>n</i>	5	5	5	4	2	5		4	4	4	4	4	4	DIN 2.600 2.809 Fail	
Summer	Minimum	0.0	0.0	11.0	7.5	0.4	7.6	1.0	1.52	0.002	0.0002	0.026	10	1.0	MRP 60 27 Pass	
	Median	0.2	0.2	16.5	8.0	0.8	90	2.7	2.78	0.035	0.0014	2.809	27	10.4	Chloro. Median 15.0 10.4 Pass	
	Maximum	2.4	2.4	22.0	8.9	6.7	184	4.9	3010.00	0.160	0.0171	3010.067	88	87.7	Chloro 90 percentile 30.0 81.3 Fail	
	<i>n</i>	73	73	86	71	31	85	45	71	78	78	76	78	72	DO%sat 5 percentile 70 71.2 Pass	
															DO%sat 95 percentile 130 155.0 Fail	
33 Lower Blackwater Estuary																Eutrophic
Winter	Minimum	0.0	0.0	9.0	7.7	0.3	90.0		0.17	0.047	0.0007	0.217	10		Threshold Value Score Overall	
	Median	5.2	5.2	9.6	7.9	0.4	93		2.35	0.080	0.0014	2.441	39		Winter DIN 2.247 2.441 Fail	
	Maximum	34.1	34.1	9.9	8.0	0.6	98		3.11	0.092	0.0017	3.182	70		Winter MRP 60 39 Pass	
	<i>n</i>	13	13	13	13	7	13		13	13	13	13	13		DIN 1.541 1.470 Pass	
Summer	Minimum	0.0	0.0	10.0	7.6	0.3	72.8	1.0	0.02	0.002	0.0001	0.002	10	0.5	MRP 60 17 Pass	
	Median	15.9	15.9	15.9	8.0	1.3	89	3.0	1.37	0.050	0.0017	1.470	17	9.9	Chloro. Median 15.0 9.9 Pass	
	Maximum	34.8	34.8	21.1	8.6	10.4	153	4.8	3.92	0.180	0.0056	4.015	77	126.0	Chloro 90 percentile 30.0 30.9 Fail	
	<i>n</i>	156	156	155	144	80	155	53	145	151	151	149	151	146	DO%sat 5 percentile 70 74.8 Pass	
															DO%sat 95 percentile 130 131.4 Fail	

															TSAS Classification			
															Unpolluted			
34 Youghal Harbour																		
Winter	Minimum	0.1	0.1	9.3	7.7	1.0	88.0		0.17	0.021	0.0002	0.220	10	Threshold Value Score		Overall		
	Median	34.1	17.5	9.6	7.9	1.0	93		0.22	0.038	0.0007	0.225	19	Winter DIN		0.314 0.225 Pass		
	Maximum	35.0	35.0	9.8	8.0	1.0	97		5.62	0.055	0.0013	5.641	20	Winter MRP		41 19 Pass		
	<i>n</i>	5	2	2	2	1	2		5	2	2	5	5	DIN		0.378 0.204 Pass		
Summer	Minimum	9.8	9.8	10.0	7.6	1.3	83.8	1.0	0.01	0.010	0.0002	0.020	10	1.2	MRP		42 10 Pass	
	Median	33.7	33.7	13.7	8.0	3.5	89	4.5	0.15	0.037	0.0011	0.204	10	3.1	Chloro. Median		10.6 3.1 Pass	
	Maximum	35.2	35.2	17.5	8.2	8.0	116	7.9	0.84	26.600	0.1084	26.818	27	8.9	Chloro 90 percentile		21.1 7.7 Pass	
	<i>n</i>	17	17	17	16	9	17	4	19	19	19	19	18	16	DO%sat 5 percentile		79 84.3 Pass	
															DO%sat 95 percentile		121 111.8 Pass	
35 Lee Estuary																	Intermediate	
Winter	Minimum	0.0	0.0	7.6	7.7	1.2	83.4		2.51	0.049	0.0005	2.506	13	Threshold Value Score		Overall		
	Median	0.0	0.0	7.8	7.7	1.4	95		2.97	0.065	0.0006	3.095	16	Winter DIN		2.600 3.095 Fail		
	Maximum	16.3	1.7	11.3	7.8	1.8	97		3.20	0.210	0.0025	3.271	46	Winter MRP		60 16 Pass		
	<i>n</i>	8	7	7	7	7	7		8	7	7	8	8	DIN		1.824 1.776 Pass		
Summer	Minimum	0.0	0.0	9.6	7.2	0.5	4.8	1.0	0.06	0.010	0.0001	0.113	2	0.6	MRP		60 29 Pass	
	Median	11.9	4.0	16.0	7.8	1.5	84	2.0	1.65	0.120	0.0028	1.776	29	5.2	Chloro. Median		15.0 5.2 Pass	
	Maximum	32.1	30.9	23.2	8.7	5.0	184	9.1	8.83	560.000	26.0374	564.620	451	68.6	Chloro 90 percentile		30.0 15.0 Pass	
	<i>n</i>	232	97	231	227	83	222	153	230	230	230	230	228	216	DO%sat 5 percentile		70 51.5 Fail	
															DO%sat 95 percentile		130 122.6 Pass	
36 Lough Mahon																	Intermediate	
Winter	Minimum	2.6	2.6	8.3	7.8	0.6	87.0		0.67	0.092	0.0000	0.767	2	Threshold Value Score		Overall		
	Median	22.2	23.6	9.1	8.0	0.6	93		1.66	0.129	0.0025	1.804	15	Winter DIN		1.081 1.804 Fail		
	Maximum	29.0	29.0	9.8	8.0	0.6	95		2.86	0.180	0.0028	3.022	50	Winter MRP		54 15 Pass		
	<i>n</i>	11	9	9	8	1	9		11	9	9	11	11	DIN		0.569 0.451 Pass		
Summer	Minimum	0.1	13.5	10.4	6.8	0.7	56.6	1.0	0.01	0.009	0.0002	0.023	2	1.0	MRP		46 17 Pass	
	Median	30.6	30.1	15.0	8.0	1.6	91	2.1	0.29	0.107	0.0035	0.451	17	5.7	Chloro. Median		11.4 5.7 Pass	
	Maximum	34.5	34.5	22.0	8.6	3.0	162	6.0	1160.00	0.648	0.0294	1160.222	176	33.5	Chloro 90 percentile		22.8 18.7 Pass	
	<i>n</i>	157	59	156	142	71	143	88	150	150	150	150	146	154	DO%sat 5 percentile		77 75.8 Fail	
															DO%sat 95 percentile		123 118.7 Pass	

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal	psu	°C	depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
37 Owenacurra Estuary																Eutrophic
Winter	Minimum	0.0	0.0	9.1	7.7		93.0		1.54	0.031	0.0005	1.670	12		Threshold Value Score	Overall
	Median	11.6	11.6	9.2	7.8		96		3.15	0.081	0.0009	3.231	14		Winter DIN	1.824 3.231 Fail
	Maximum	23.2	23.2	9.3	7.9		98		4.76	0.130	0.0013	4.791	16		Winter MRP	60 14 Pass
	<i>n</i>	2	2	2	2		2		2	2	2	2	2		DIN	0.633 1.007 Fail
Summer	Minimum	0.0	0.0	11.0	7.6	0.3	72.8	1.0	0.01	0.010	0.0002	0.020	2	1.6	MRP	47 10 Pass
	Median	29.4	18.3	16.2	8.1	1.3	96	3.0	0.92	0.041	0.0018	1.007	10	7.9	Chloro. Median	11.7 7.9 Pass
	Maximum	34.0	32.0	21.8	8.4	2.5	274	9.0	119.00	0.253	0.0146	119.067	69	95.6	Chloro 90 percentile	23.3 28.0 Fail
	<i>n</i>	82	30	82	67	44	81	27	79	79	79	79	74	80	DO%sat 5 percentile	77 79.9 Pass
															DO%sat 95 percentile	123 133.4 Fail
38 North Channel Great Island																Intermediate
Winter	Minimum														Threshold Value Score	Overall
	Median														Winter DIN	Pass
	Maximum														Winter MRP	
	<i>n</i>														DIN	0.506 0.467 Pass
Summer	Minimum	5.7	5.7	11.6	7.9	0.4	74.0	1.0	0.01	0.009	0.0002	0.020	2	1.0	MRP	44 10 Pass
	Median	31.2	29.9	16.9	8.1	1.5	96	2.9	0.37	0.059	0.0021	0.467	10	7.6	Chloro. Median	11.1 7.6 Pass
	Maximum	33.9	32.8	22.0	8.3	2.1	148	3.4	39.90	0.257	0.0155	40.076	51	30.5	Chloro 90 percentile	22.2 21.8 Pass
	<i>n</i>	63	27	62	52	33	62	27	65	65	65	65	61	61	DO%sat 5 percentile	78 89.0 Pass
															DO%sat 95 percentile	122 135.9 Fail
39 Cork Harbour																Intermediate
Winter	Minimum	11.2	11.2	8.8	8.0		96.0		0.29	0.063	0.0017	0.294	2		Threshold Value Score	Overall
	Median	32.0	21.6	9.5	8.1		108		0.64	0.073	0.0022	0.703	14		Winter DIN	0.442 0.703 Fail
	Maximum	34.0	32.0	10.2	8.3		120		4.26	0.082	0.0026	4.342	45		Winter MRP	43 14 Pass
	<i>n</i>	5	2	2	2		2		5	2	2	5	5		DIN	0.314 0.106 Pass
Summer	Minimum	29.1	29.1	9.8	8.0	0.8	82.9	1.0	0.01	0.010	0.0003	0.020	2	0.9	MRP	41 10 Pass
	Median	34.2	33.6	13.6	8.1	3.2	94	1.2	0.05	0.041	0.0013	0.106	10	3.3	Chloro. Median	10.3 3.3 Pass
	Maximum	34.9	34.8	17.9	8.3	14.0	116	3.0	1.69	0.161	0.0104	1.712	77	14.6	Chloro 90 percentile	20.6 10.8 Pass
	<i>n</i>	62	30	62	54	32	55	15	60	60	60	60	53	60	DO%sat 5 percentile	79 87.2 Pass
															DO%sat 95 percentile	121 105.9 Pass

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal psu	°C		depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
40 Upper Bandon Estuary																Eutrophic
Winter	Minimum	0.0	0.0	7.3	7.5	1.3	98.0		5.17	0.030	0.0002	5.200	16		Threshold Value Score	Overall
	Median	0.0	0.0	7.3	7.5	1.3	98		5.17	0.030	0.0002	5.200	16		Winter DIN	2.600 5.200 Fail
	Maximum	0.0	0.0	7.3	7.5	1.3	98		5.17	0.030	0.0002	5.200	16		Winter MRP	60 16 Pass
															DIN	2.035 1.996 Pass
	<i>n</i>	1	1	1	1	1	1		1	1	1	1	1		MRP	60 17 Pass
Summer	Minimum	0.0	0.0	11.4	7.6	0.4	80.0	1.3	0.99	0.010	0.0002	0.042	10	2.6	Chloro. Median	15.0 43.1 Fail
	Median	8.3	8.3	17.5	8.0	0.8	100	3.7	2.41	0.025	0.0016	1.996	17	43.1	Chloro 90 percentile	30.0 59.6 Fail
	Maximum	16.5	13.6	22.6	8.6	2.4	171	6.6	4.79	0.129	0.0056	5.624	48	68.4	DO%sat 5 percentile	70 81.4 Pass
															DO%sat 95 percentile	130 161.0 Fail
	<i>n</i>	29	9	29	15	15	29	5	20	20	25	25	19	23		
41 Lower Bandon Estuary																Eutrophic
Winter	Minimum	0.0	0.0	7.0	7.5	0.9	85.0		0.26	0.032	0.0002	0.310	10		Threshold Value Score	Overall
	Median	18.3	18.3	9.0	8.0	1.2	93		1.88	0.061	0.0012	1.982	15		Winter DIN	1.336 1.982 Fail
	Maximum	32.0	32.0	10.0	8.1	1.5	97		4.71	0.133	0.0025	4.751	22		Winter MRP	59 15 Pass
															DIN	0.697 0.355 Pass
	<i>n</i>	16	16	16	16	7	16		16	16	16	16	16		MRP	48 10 Pass
Summer	Minimum	0.0	0.0	10.1	7.6	0.3	65.1	1.0	0.01	0.010	0.0003	0.020	10	0.8	Chloro. Median	11.9 6.9 Pass
	Median	28.8	29.6	15.7	8.1	1.5	99	2.9	0.28	0.040	0.0016	0.355	10	6.9	Chloro 90 percentile	23.9 46.8 Fail
	Maximum	35.1	35.1	1164.0	8.8	7.0	169	5.8	3.34	0.229	0.1967	3.373	150	112.4	DO%sat 5 percentile	76 80.9 Pass
															DO%sat 95 percentile	124 147.6 Fail
	<i>n</i>	199	90	195	136	93	195	55	149	151	185	182	158	140		
42 Kinsale Harbour																Intermediate
Winter	Minimum	25.2	25.2	11.4	8.0	0.5	104.0		0.22	0.056	0.0016	0.218	10		Threshold Value Score	Overall
	Median	25.9	25.6	11.5	8.1	0.5	106		0.80	0.059	0.0017	0.861	12		Winter DIN	0.889 0.861 Pass
	Maximum	34.3	25.9	11.6	8.1	0.5	108		1.68	0.061	0.0018	1.736	14		Winter MRP	51 12 Pass
															DIN	0.314 0.092 Pass
	<i>n</i>	3	2	2	2	1	2		3	2	2	3	2		MRP	41 10 Pass
Summer	Minimum	29.2	29.2	10.3	7.9	1.6	52.8	1.0	0.01	0.010	0.0003	0.020	10	0.7	Chloro. Median	10.3 2.2 Pass
	Median	34.7	34.8	13.7	8.0	4.3	93	3.0	0.03	0.040	0.0009	0.092	10	2.2	Chloro 90 percentile	20.6 8.0 Pass
	Maximum	35.2	35.2	17.7	8.2	15.5	118	3.0	0.53	0.262	0.0135	2.973	33	11.6	DO%sat 5 percentile	79 76.5 Fail
															DO%sat 95 percentile	121 113.1 Pass
	<i>n</i>	38	20	37	29	20	37	8	33	33	41	41	37	25		

Salinity Sample Temp pH Secchi DO % B.O.D. TON NH ₃ /NH ₄ Free NH ₃ DIN MRP Chlorophyll															TSAS Classification		
psu	Sal	psu	°C		depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³			Eutrophic	
43 Argideen Estuary																	
Assessed on presence and abundance of green macroalgal blooms															Assessed on presence and abundance of green macroalgal blooms		
44 Upper Lee (Tralee) Estuary																	
Winter	Minimum	0.0	0.0	5.7	7.5	0.3	84.0		1.78	0.081	0.0006	1.900	10		Threshold Value Score	Overall	
	Median	0.1	0.1	6.3	7.7	0.6	85		2.38	0.187	0.0015	2.557	42		Winter DIN	2.600 2.557 Pass	Fail
	Maximum	7.1	7.1	8.4	7.9	1.5	86		2.59	0.413	0.0058	2.973	93		Winter MRP	60 42 Pass	
	<i>n</i>	4	4	4	4	4	4		4	4	4	4	4		DIN	2.600 1.446 Pass	
															MRP	60 62 Fail	
Summer	Minimum	0.0	0.0	14.1	7.6	0.2	47.5	1.1	0.01	0.010	0.0002	0.052	10	3.1	Chloro. Median	15.0 14.3 Pass	Fail
	Median	1.0	1.0	16.5	7.9	0.3	90	2.9	1.02	0.228	0.0057	1.446	62	14.3	Chloro 90 percentile	30.0 31.8 Fail	
	Maximum	28.2	28.2	20.6	8.4	0.4	142	6.4	2.97	0.752	0.0225	3.269	336	86.7	DO%sat 5 percentile	70 48.6 Fail	Fail
	<i>n</i>	32	32	39	39	2	39	23	39	39	39	39	39	38	DO%sat 95 percentile	130 131.9 Fail	
45 Lower Lee (Tralee) Estuary																	
Winter															Threshold Value Score	Overall	
															Winter DIN		Pass
															Winter MRP		
															DIN	0.569 0.047 Pass	
															MRP	46 12 Pass	
Summer	Minimum	25.5	25.5	16.2	8.1	0.6	91.4	1.7	0.01	0.010	0.0005	0.020	10	3.4	Chloro. Median	11.4 11.5 Fail	Fail
	Median	30.6	30.6	17.9	8.2	0.9	98	2.2	0.01	0.033	0.0019	0.047	12	11.5	Chloro 90 percentile	22.8 21.6 Pass	
	Maximum	32.4	32.4	18.5	8.3	1.8	110	6.4	0.04	0.059	0.0043	0.073	41	34.8	DO%sat 5 percentile	77 92.6 Pass	Pass
	<i>n</i>	10	10	10	10	6	10	8	9	10	10	9	10	8	DO%sat 95 percentile	123 105.5 Pass	

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal psu	°C		depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
46 Tralee bay																Unpolluted
Winter	Minimum	29.6	29.6	7.9	8.0		94.0		0.26	0.057	0.0011	0.317	10		Threshold Value Score	Overall
	Median	30.6	30.6	8.2	8.0		95		0.30	0.063	0.0012	0.358	10		Winter DIN	0.569 0.358 Pass
	Maximum	31.5	31.5	8.4	8.0		96		0.33	0.069	0.0014	0.399	10		Winter MRP	46 10 Pass
	<i>n</i>	2	2	2	2		2		2	2	2	2	2		DIN	0.314 0.041 Pass
Summer	Minimum	0.1	0.1	15.4	8.1	0.9	91.3	1.0	0.01	0.010	0.0004	0.020	10	0.5	MRP	41 10 Pass
	Median	34.0	34.0	17.7	8.2	3.8	97	1.0	0.01	0.032	0.0012	0.041	10	2.6	Chloro. Median	10.3 2.6 Pass
	Maximum	34.7	34.7	18.6	8.6	4.5	104	1.4	1.61	0.063	0.0045	1.638	93	10.3	Chloro 90 percentile	20.6 4.7 Pass
	<i>n</i>	52	52	52	43	17	52	7	52	52	52	52	52	47	DO%sat 5 percentile	79 92.1 Pass
															DO%sat 95 percentile	121 100.7 Pass
47 Upper Feale Estuary																Unpolluted
Winter	Minimum	0.0	0.0	7.3	7.4		97.0		1.26	0.049	0.0002	1.309	22		Threshold Value Score	Overall
	Median	0.0	0.0	7.3	7.4		97		1.26	0.049	0.0002	1.309	22		Winter DIN	2.600 1.309 Pass
	Maximum	0.0	0.0	7.3	7.4		97		1.26	0.049	0.0002	1.309	22		Winter MRP	60 22 Pass
	<i>n</i>	1	1	1	1		1		1	1	1	1	1		DIN	2.600 0.849 Pass
Summer	Minimum	0.0	0.0	0.0	7.5		97.4	1.2	0.66	0.012	0.0002	0.686	25	3.6	MRP	60 37 Pass
	Median	0.1	0.0	15.8	7.9		103	1.3	0.82	0.021	0.0005	0.849	37	11.3	Chloro. Median	15.0 11.3 Pass
	Maximum	0.3	0.0	17.3	8.1		110	1.4	1.20	0.040	0.0009	1.212	65	17.6	Chloro 90 percentile	30.0 17.6 Pass
	<i>n</i>	6	3	6	6		5	2	6	6	6	6	6	4	DO%sat 5 percentile	70 98.2 Pass
															DO%sat 95 percentile	130 108.7 Pass
48 Cashen Feale Estuary																Intermediate
Winter	Minimum	0.0	0.0	1.5	7.4		90.0	2.1	0.34	0.062	0.0003	0.402	14		Threshold Value Score	Overall
	Median	2.0	2.0	8.1	7.8		94	2.2	1.55	0.100	0.0012	1.644	29		Winter DIN	2.459 1.644 Pass
	Maximum	29.4	29.4	8.7	8.0		99	2.3	4.05	0.134	0.0016	4.130	81		Winter MRP	60 29 Pass
	<i>n</i>	10	10	10	10		6	2	10	8	8	10	10		DIN	1.541 0.414 Pass
Summer	Minimum	0.0	0.0	10.1	7.2	0.4	48.0	0.6	0.01	0.009	0.0003	0.022	10	0.8	MRP	60 12 Pass
	Median	15.9	12.0	17.3	8.1	1.0	98	2.4	0.38	0.040	0.0019	0.414	12	19.6	Chloro. Median	15.0 19.6 Fail
	Maximum	2136.0	34.0	20.3	8.7	3.0	145	7.1	12.70	0.305	0.0102	12.740	91	155.0	Chloro 90 percentile	30.0 50.8 Fail
	<i>n</i>	120	39	120	108	40	120	62	113	113	113	113	102	105	DO%sat 5 percentile	70 70.0 Fail
															DO%sat 95 percentile	130 115.0 Pass

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal	psu	°C	depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
49 Deel Estuary																Intermediate
Winter	Minimum	0.0	0.0		8.1				1.91	0.046	0.0005	1.993	33		Threshold Value Score Overall	
	Median	0.0	0.0		8.1				3.19	0.083	0.0009	3.313	67		Winter DIN 2.600 3.313 Fail	
	Maximum	0.0	0.0		8.1				3.45	0.123	0.0015	3.496	72		Winter MRP 60 67 Fail	
	<i>n</i>	5	5		5				5	5	5	5	5		DIN 1.400 1.041 Pass	
															MRP 60 100 Fail	
Summer	Minimum	0.0	0.0	12.9	7.8	0.2	78.0	1.2	0.11	0.010	0.0004	0.157	10	1.4	Chloro. Median 15.0 6.4 Pass	
	Median	6.4	6.4	16.4	8.1	0.5	96	2.0	1.03	0.040	0.0022	1.041	100	6.4	Chloro 90 percentile 30.0 9.4 Pass	
	Maximum	28.5	28.5	20.5	8.7	2.0	174	5.5	2.55	0.307	0.0117	2.766	315	14.9	DO%sat 5 percentile 70 81.4 Pass	
	<i>n</i>	62	58	62	63	13	62	34	62	63	63	62	40	45	DO%sat 95 percentile 130 103.5 Pass	
50 Fergus Estuary																Unpolluted
Winter	Minimum	0.2	0.2	7.7	8.0	0.5	92.0		0.58	0.029	0.0007	0.629	10		Threshold Value Score Overall	
	Median	0.3	0.3	8.1	8.0	2.5	95		0.70	0.039	0.0010	0.734	10		Winter DIN 2.600 0.734 Pass	
	Maximum	9.3	9.3	9.4	8.2	2.5	104		1.26	0.084	0.0016	1.324	23		Winter MRP 60 10 Pass	
	<i>n</i>	5	5	5	5	3	5		5	5	5	5	5		DIN 1.471 0.400 Pass	
															MRP 60 33 Pass	
Summer	Minimum	0.0	0.0	13.2	7.9	0.2	73.0	1.0	0.13	0.010	0.0004	0.170	19	2.0	Chloro. Median 15.0 5.7 Pass	
	Median	16.8	16.8	16.9	8.1	0.7	94	2.0	0.35	0.048	0.0021	0.400	33	5.7	Chloro 90 percentile 30.0 13.7 Pass	
	Maximum	28.7	28.7	22.8	8.5	2.0	122	2.4	0.97	0.280	0.0205	0.980	185	66.5	DO%sat 5 percentile 70 74.0 Pass	
	<i>n</i>	23	23	21	23	12	21	16	23	23	23	23	9	22	DO%sat 95 percentile 130 102.0 Pass	
51 Maigne Estuary																Intermediate
Winter	Minimum	0.4	0.4	8.5	8.1		94.0		2.98	0.037	0.0010	3.024	40		Threshold Value Score Overall	
	Median	0.4	0.4	8.8	8.2		96		3.14	0.044	0.0012	3.176	47		Winter DIN 2.600 3.176 Fail	
	Maximum	0.4	0.4	9.2	8.2		98		3.53	0.054	0.0017	3.573	54		Winter MRP 60 47 Pass	
	<i>n</i>	6	6	6	6		6		6	6	6	6	6		DIN 2.600 1.180 Pass	
															MRP 60 85 Fail	
Summer	Minimum	0.1	0.1	12.6	7.8	0.1	69.1	1.0	0.42	0.020	0.0011	0.507	20	1.6	Chloro. Median 15.0 5.2 Pass	
	Median	0.4	0.4	17.0	8.2	0.1	87	1.8	1.08	0.078	0.0045	1.180	85	5.2	Chloro 90 percentile 30.0 8.5 Pass	
	Maximum	8.9	8.6	20.5	8.7	0.1	163	2.1	3.08	0.392	0.0181	3.133	257	11.1	DO%sat 5 percentile 70 74.5 Pass	
	<i>n</i>	50	46	52	51	1	52	15	51	51	51	51	35	31	DO%sat 95 percentile 130 107.6 Pass	

		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal psu	°C		depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
52 Tidal Shannon River																Unpolluted
Winter	Minimum	0.1	0.1	6.8	8.2		90.0		1.45	0.039	0.0012	1.508	20		Threshold Value Score	Overall
	Median	0.1	0.1	6.8	8.3		91		1.49	0.049	0.0015	1.534	21		Winter DIN	2.600 1.534 Pass
	Maximum	0.1	0.1	6.8	8.3		92		1.52	0.058	0.0017	1.559	21		Winter MRP	60 21 Pass
	<i>n</i>	2	2	2	2		2		2	2	2	2	2		DIN	2.600 0.963 Pass
Summer	Minimum	0.1	0.1	13.5	8.1	0.3	42.7	1.0	0.69	0.010	0.0006	0.736	10	1.3	MRP	60 24 Pass
	Median	0.2	0.2	17.7	8.3	0.9	91	1.5	0.88	0.051	0.0035	0.963	24	4.8	Chloro. Median	15.0 4.8 Pass
	Maximum	10.5	10.5	19.0	8.5	3.5	110	2.3	1.08	0.170	0.0105	1.092	45	42.3	Chloro 90 percentile	30.0 12.1 Pass
	<i>n</i>	48	34	41	41	23	41	30	44	44	44	44	30	41	DO%sat 5 percentile	70 76.7 Pass
															DO%sat 95 percentile	130 101.6 Pass
53 Upper Shannon Estuary																Unpolluted
Winter	Minimum	2.5	2.5	7.3	8.1		93.0		1.27	0.058	0.0015	1.351	24		Threshold Value Score	Overall
	Median	4.6	4.6	7.5	8.1		93		1.42	0.070	0.0016	1.485	25		Winter DIN	2.318 1.485 Pass
	Maximum	6.7	6.7	7.6	8.2		93		1.56	0.081	0.0017	1.618	26		Winter MRP	60 25 Pass
	<i>n</i>	2	2	2	2		2		2	2	2	2	2		DIN	1.400 0.559 Pass
Summer	Minimum	0.2	0.2	13.3	7.9	0.3	77.0	1.0	0.08	0.010	0.0003	0.124	10	3.2	MRP	60 30 Pass
	Median	17.5	17.0	16.7	8.1	0.5	92	1.5	0.49	0.050	0.0023	0.559	30	5.7	Chloro. Median	15.0 5.7 Pass
	Maximum	29.9	29.9	19.0	8.4	1.4	109	2.3	1.47	0.119	0.0057	1.493	76	14.4	Chloro 90 percentile	30.0 9.4 Pass
	<i>n</i>	98	74	84	95	45	83	28	98	98	98	98	69	87	DO%sat 5 percentile	70 81.4 Pass
															DO%sat 95 percentile	130 103.5 Pass
54 Lower Shannon Estuary																Unpolluted
Winter	Minimum	6.5	6.5	7.2	8.0	0.6	90.0		0.87	0.080	0.0015	0.952	21		Threshold Value Score	Overall
	Median	22.3	22.3	7.4	8.0	0.6	92		0.93	0.082	0.0015	1.014	27		Winter DIN	1.081 1.014 Pass
	Maximum	24.1	24.1	7.9	8.1	0.6	95		1.27	0.092	0.0017	1.350	32		Winter MRP	54 27 Pass
	<i>n</i>	7	7	7	7	1	7		7	7	7	7	7		DIN	0.633 0.191 Pass
Summer	Minimum	16.2	16.2	13.0	7.7	0.5	85.0	1.0	0.01	0.010	0.0000	0.060	6	0.8	MRP	47 13 Pass
	Median	29.5	28.2	16.4	8.1	1.6	92	1.1	0.17	0.027	0.0008	0.191	13	3.1	Chloro. Median	11.7 3.0 Pass
	Maximum	33.0	33.0	18.4	8.2	30.0	107	2.0	0.79	0.079	0.0036	0.800	25	7.1	Chloro 90 percentile	23.3 4.8 Pass
	<i>n</i>	87	67	83	74	34	83	23	86	86	86	86	53	75	DO%sat 5 percentile	77 87.2 Pass
															DO%sat 95 percentile	123 105.4 Pass

															TSAS Classification					
															Unpolluted					
															Threshold Value Score		Overall			
Winter															Winter DIN		Pass			
															Winter MRP					
															DIN				0.569 0.270 Pass	
															MRP				46 12 Pass	
Summer	Minimum	1.1	1.1	11.9	8.0	1.8	73.7	0.3	0.20	0.029	0.0008	0.230	5	2.0	Chloro. Median	11.4	3.2	Pass	Pass	
	Median	30.9	30.5	16.4	8.1	3.5	95	1.0	0.24	0.030	0.0012	0.270	12	3.2	Chloro 90 percentile	22.8	6.0	Pass		
	Maximum	34.6	34.0	19.5	8.5	5.3	129	2.1	0.79	0.030	0.0027	0.820	48	8.7	DO%sat 5 percentile	77	77.9	Pass	Pass	
	<i>n</i>	68	42	68	68	32	67	51	38	38	38	38	68	68	DO%sat 95 percentile	123	111.1	Pass		
															Unpolluted					
															Threshold Value Score		Overall			
Winter															Winter DIN		Pass			
															Winter MRP					
															DIN				0.442 0.230 Pass	
															MRP				43 12 Pass	
Summer	Minimum	18.6	22.8	11.7	8.0	2.0	62.9	0.4	0.20	0.029	0.0008	0.230	5	2.0	Chloro. Median	10.8	2.5	Pass	Pass	
	Median	32.7	33.0	16.2	8.1	4.5	96	1.0	0.20	0.030	0.0013	0.230	12	2.5	Chloro 90 percentile	21.7	4.9	Pass		
	Maximum	34.7	35.0	19.1	8.3	6.0	122	1.8	0.41	0.040	0.0018	0.440	16	14.0	DO%sat 5 percentile	78	82.0	Pass	Pass	
	<i>n</i>	96	55	96	74	43	96	46	58	58	58	58	81	83	DO%sat 95 percentile	122	109.5	Pass		
															Unpolluted					
															Threshold Value Score		Overall			
Winter	Minimum	0.0	0.0	6.7			95.0		0.66	0.020			14	2.8	Pass					
	Median	0.0	0.0	6.8			97		0.68	0.020			17	3.6						
	Maximum	0.0	0.0	7.0			98		0.76	0.030			19	7.7						
	<i>n</i>	5	5	5			4		5	5			5	5						
Summer	Minimum	0.2	0.2	13.0	7.7	0.2	10.3	0.4	0.20	0.029	0.0009	0.230	12	2.0	Pass					
	Median	16.2	18.0	16.2	8.1	1.4	98	1.1	0.40	0.030	0.0017	0.428	13	7.0						
	Maximum	35.0	35.0	31.7	8.5	4.0	114	5.2	0.54	1.300	0.0595	1.660	139	35.0						
	<i>n</i>	125	90	124	118	56	122	85	71	71	71	71	107	120						

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		Salinity	Sample	Temp	pH	Secchi	DO %	B.O.D.	TON	NH ₃ /NH ₄	Free NH ₃	DIN	MRP	Chlorophyll	TSAS Classification	
		psu	Sal psu	°C		depth m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³		
61 Sligo Bay																Unpolluted
Winter	Minimum	0.0	0.0	7.1			99.0		0.13	0.010	0.0000	0.140	10	1.6	Threshold Value Score Overall	
	Median	24.8	24.8	7.6			101		0.20	0.020	0.0000	0.220	21	2.8	Winter DIN 0.953 0.220 Pass	
	Maximum	32.6	32.6	8.4			103		0.27	0.030	0.0000	0.280	22	4.0	Winter MRP 52 21 Pass	
	<i>n</i>	5	5	5			5		5	5	5	5	5	5	DIN 0.314 0.314 Pass	
Summer	Minimum	30.0	30.0	11.1	8.0	1.6	70.0	0.3	0.20	0.029	0.0008	0.230	5	2.0	MRP 41 12 Pass	
	Median	34.2	34.0	15.2	8.2	4.5	100	1.0	0.29	0.029	0.0014	0.314	12	2.8	Chloro. Median 10.3 2.8 Pass	
	Maximum	35.5	35.5	18.2	8.3	9.0	120	1.0	0.39	0.030	0.0020	0.419	14	5.7	Chloro 90 percentile 20.6 4.1 Pass	
	<i>n</i>	44	26	44	28	20	44	20	24	24	24	24	40	40	DO%sat 5 percentile 79 82.3 Pass	
																DO%sat 95 percentile 121 117.0 Pass
62 Ballysadare																Unpolluted
Winter	Minimum	12.6	12.6	7.4			104.0		0.27	0.020	0.0000	0.290	23	2.4	Threshold Value Score Overall	
	Median	17.6	17.6	8.0			105		0.35	0.025	0.0000	0.370	24	3.8	Winter DIN 1.400 0.370 Pass	
	Maximum	22.5	22.5	8.5			105		0.42	0.030	0.0000	0.450	24	5.2	Winter MRP 60 24 Pass	
	<i>n</i>	2	2	2			2		2	2	2	2	2	2	DIN 0.378 0.230 Pass	
Summer	Minimum	31.3	32.0	11.8	8.0	1.0	85.0	0.3	0.20	0.029	0.0010	0.230	5	2.0	MRP 42 12 Pass	
	Median	33.8	34.0	15.3	8.2	4.9	105	1.0	0.20	0.030	0.0012	0.230	12	2.3	Chloro. Median 10.6 2.3 Pass	
	Maximum	35.0	35.0	17.7	8.3	6.6	116	1.8	0.39	0.030	0.0020	0.419	12	4.6	Chloro 90 percentile 21.1 4.0 Pass	
	<i>n</i>	38	22	38	28	20	38	24	20	20	20	20	35	32	DO%sat 5 percentile 79 89.0 Pass	
																DO%sat 95 percentile 121 116.0 Pass
63 Erne Estuary																Unpolluted
Winter															Threshold Value Score Overall	
															Winter DIN	
															Winter MRP	
															DIN 1.753 0.240 Pass	
															MRP 60 10 Pass	
Summer	Minimum	0.1	0.2	14.7	7.9	2.0	68.9	1.5	0.01	0.010	0.0003	0.030	10	2.0	Chloro. Median 15.0 4.0 Pass	
	Median	12.0	24.1	16.7	8.1	2.8	94	1.5	0.23	0.020	0.0012	0.240	10	4.0	Chloro 90 percentile 30.0 15.2 Pass	
	Maximum	34.0	33.4	18.5	8.4	4.8	107	6.7	0.68	0.100	0.0040	0.710	60	54.0	DO%sat 5 percentile 70 80.8 Pass	
	<i>n</i>	48	24	48	48	22	48	33	48	48	48	48	48	47	DO%sat 95 percentile 130 106.1 Pass	

Salinity Sample Temp pH Secchi DO % B.O.D. TON NH ₃ /NH ₄ Free NH ₃ DIN MRP Chlorophyll															TSAS Classification			
psu	Sal	psu	°C		depth	m	sat	mg/l	mg/l	mg/l	Surface	mg/l N	µg/l P	mg/m ³				
64 Erne Estuary Adjacent Coastal															Intermediate			
Winter															Threshold Value Score		Overall	
															Winter DIN		Pass	
															Winter MRP			
															DIN	0.506 0.055 Pass		
															MRP	44 10 Pass		
															Chloro. Median		11.1 3.0 Pass	Fail
															Chloro 90 percentile		22.2 33.3 Fail	
															DO%sat 5 percentile		78 98.2 Pass	Pass
															DO%sat 95 percentile		122 110.5 Pass	
Summer	Minimum	20.8	20.8	14.6	7.9	2.0	97.2	1.5	0.01	0.010	0.0004	0.030	10	2.0				
	Median	31.4	31.3	15.9	8.2	5.0	105	1.9	0.02	0.020	0.0013	0.055	10	3.0				
	Maximum	34.5	34.0	18.1	8.3	5.5	113	6.1	0.33	0.090	0.0057	0.340	10	43.0				
	<i>n</i>	14	6	14	14	5	14	7	14	14	14	14	14	14				
65 Killybegs Harbour															Intermediate			
Winter															Threshold Value Score		Overall	
															Winter DIN		Pass	
															Winter MRP			
															DIN	0.314 0.040 Pass		
															MRP	41 10 Pass		
															Chloro. Median		10.3 3.0 Pass	Pass
															Chloro 90 percentile		20.6 13.0 Pass	
															DO%sat 5 percentile		79 65.9 Fail	Fail
															DO%sat 95 percentile		121 117.1 Pass	
Winter	Minimum	0.0	0.0	2.7	7.3		99.0	0.1	0.06	0.110	0.0003	0.060	10	3.0				
	Median	16.1	16.1	5.4	7.8		100	0.2	0.11	0.110	0.0003	0.120	30	8.0				
	Maximum	22.9	22.9	5.9	7.8		103	0.2	0.12	0.110	0.0003	0.190	40	76.0				
	<i>n</i>	5	5	5	5		5	4	5	1	1	5	5	5				
Summer	Minimum	2.1	2.1	12.3	7.7	1.2	29.3	1.0	0.01	0.009	0.0002	0.018	10	2.0				
	Median	34.1	33.9	16.0	8.2	4.5	94	1.5	0.01	0.020	0.0011	0.040	10	3.0				
	Maximum	35.6	35.6	19.0	8.9	9.2	131	6.2	1.00	0.280	0.0197	1.010	162	47.0				
	<i>n</i>	260	186	260	232	124	256	182	254	254	254	254	254	230				
66 McSwine's Bay															Intermediate			
Winter															Threshold Value Score		Overall	
															Winter DIN		Pass	
															Winter MRP			
															DIN	0.314 0.050 Pass		
															MRP	41 10 Pass		
															Chloro. Median		10.3 2.0 Pass	Pass
															Chloro 90 percentile		20.6 6.0 Pass	
															DO%sat 5 percentile		79 57.3 Fail	Fail
															DO%sat 95 percentile		121 108.1 Pass	
Summer	Minimum	22.4	22.4	12.4	7.6	4.8	30.6	1.0	0.01	0.009	0.0002	0.018	10	2.0				
	Median	34.4	34.2	15.1	8.2	7.5	95	1.1	0.01	0.030	0.0011	0.050	10	2.0				
	Maximum	35.2	35.0	19.0	8.4	75.0	117	2.8	0.08	0.110	0.0040	0.160	330	23.0				
	<i>n</i>	100	66	100	86	55	100	70	100	100	100	100	100	96				

															TSAS Classification				
															Intermediate				
67 Upper Swilly Estuary																			
Winter															Threshold Value Score			Overall	
															Winter DIN			Pass	
															Winter MRP				
															DIN			0.633 0.110 Pass	
															MRP			47 20 Pass	
Summer	Minimum	0.0	0.0	13.8	7.5	0.3	26.0	1.0	0.01	0.009	0.0001	0.018	10	2.0	Chloro. Median	11.7	18.0	Fail	Fail
	Median	29.0	29.4	17.9	8.1	0.8	96	3.3	0.03	0.070	0.0035	0.110	20	18.0	Chloro 90 percentile	23.3	57.1	Fail	
	Maximum	34.7	33.8	21.1	8.5	3.1	143	999.0	0.55	0.850	0.0304	1.370	80	93.0	DO%sat 5 percentile	77	46.7	Fail	Fail
	n	97	65	97	93	44	87	74	105	105	96	105	105	70	DO%sat 95 percentile	123	128.9	Fail	
68 Lower Swilly Estuary																		Unpolluted	
Winter															Threshold Value Score			Overall	
															Winter DIN			Pass	
															Winter MRP				
															DIN			0.378 0.034 Pass	
															MRP			42 10 Pass	
Summer	Minimum	5.7	5.7	14.2	7.5	1.2	84.0	1.0	0.01	0.009	0.0001	0.018	10	2.0	Chloro. Median	10.6	6.0	Pass	Pass
	Median	33.2	32.8	17.1	8.1	2.9	100	1.5	0.01	0.020	0.0008	0.034	10	6.0	Chloro 90 percentile	21.1	12.0	Pass	
	Maximum	34.6	54.2	174.0	8.3	4.5	135	4.2	0.17	0.438	0.0241	0.448	30	32.0	DO%sat 5 percentile	79	90.2	Pass	Pass
	n	108	71	108	97	38	96	60	106	106	106	106	106	80	DO%sat 95 percentile	121	116.3	Pass	
69 Lower Lough Swilly																		Unpolluted	
Winter															Threshold Value Score			Overall	
															Winter DIN			Pass	
															Winter MRP				
															DIN			0.314 0.029 Pass	
															MRP			41 10 Pass	
Summer	Minimum	31.4	31.4	13.2	7.4	2.5	88.9	1.0	0.01	0.009	0.0001	0.018	10	2.0	Chloro. Median	10.3	2.5	Pass	Pass
	Median	34.1	34.0	16.0	8.1	5.0	98	1.5	0.01	0.010	0.0006	0.029	10	2.5	Chloro 90 percentile	20.6	5.0	Pass	
	Maximum	35.1	35.1	18.8	8.2	9.0	114	4.3	0.11	2.810	0.0441	2.840	40	33.0	DO%sat 5 percentile	79	92.2	Pass	Pass
	n	165	112	165	142	87	164	89	157	157	157	157	157	134	DO%sat 95 percentile	121	109.8	Pass	

