神水技セ資料 NO. 173

神奈川県

令和元年度

海況調査事業結果報告書

令和４年３月

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Ⅰ　調査の実施状況

1　浅海・沿岸定線調査

(1)漁業調査指導船

江の島丸

全　長　　33.03m

トン数　　105トン

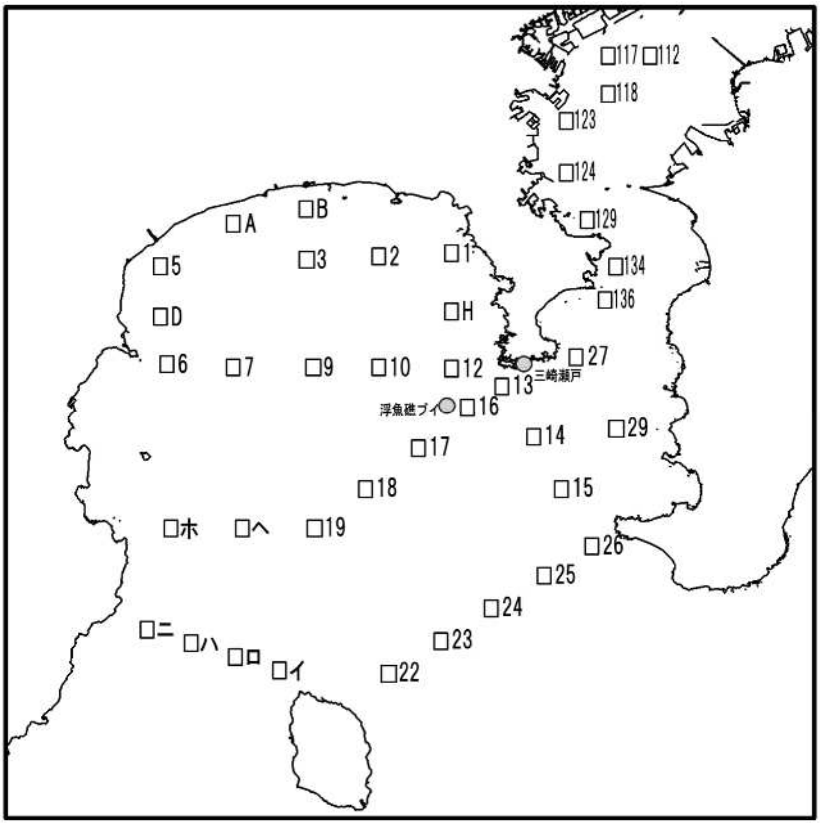
馬　力　　1,300馬力(956KW)

速　力　　13ノット

(2)調査項目及び方法

観測内容	観測項目、観測方法	
CTD観測	水温、塩分	CTD(SeaBird SBE9plus)
(0～600m)	溶存酸素	CTD付属センサー(SeaBird SBE43)
水質分析	COD	アルカリ性過マンガン酸カリウム法
	栄養塩類	連続流れ分析(SealAnalytical QuAAtro2-HR)
	NO_3-N	銅カドミウム還元カラム・ナフチルエチレンジアミン吸光光度法
	NO_2-N	ナフチルエチレンジアミン吸光光度法
	NH_4-N	インドフェノール青吸光光度法
	PO_4-P	モリブデンブルー吸光光度法
海象観測	水温	表層バケツ採水・水銀棒状温度計
	水色	フォーレル＝ウーレ水色階級
	透明度	セッキ白色円板
	波浪、うねり、潮目	目視
気象観測	風向、風力、雲量、天気、気温、気圧	

(3)調査測点



浅海定線調査（平成31(2019)年4月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		4	1	3	1	1	1	1	1	1	1	1
開始時間		9:30	9:18	9:00	12:08	12:31	11:41	11:18	10:57	10:34	10:07	9:45
終了時間		9:32	9:20	9:19	12:10	12:32	11:42	11:21	10:59	10:36	10:09	9:59
天気		BC	BC	B	BC	BC		BC	BC			BC
気温(℃)		10.7	17.4	9.1	22.3	22.8		20.8	20.6			19.4
気圧(hPa)		1016.3	1012.9	1017.7	1011.1	1010.9		1012.0	1012.4			1012.6
風向風力		WSW 2	NNE 3	N 5	NE 1			E 2	NNE 1			N 2
水色		6	6	4	8	9	8	9	8	8	8	8
透明度		11.0	7.0	17.0	4.0	3.0	4.5	4.0	6.0	5.0	6.5	7.0
波浪		NE 1	SW 2	S 3	SSW 1	W 1		SW 2	SW 2			SW 2
うねり		NE 1		S 1								
測点水深(m)		81	118	675	32.7	27.2	30.8	42.5	42.9	58.3	36	77
水温	0m	15.1	14.9	16.2	13.5	14.0	13.4	13.6	13.5	13.6	14.2	14.1
(℃)	10m	16.0532	14.7124	15.9233	12.987	13.1596	13.0204	12.9702	13.0951	13.4119	13.9293	21:40
	20m	16.2187	15.6637	15.9458	15.0435	15.5183	14.3568	13.0099	13.1266	13.7904	14.7716	14.3451
	30m	16.1099	15.993	15.9518	15.8325			15.6344	13.6178	14.281	15.653	8:10
	50m	15.9436	16.1946	15.9957				13.92(40m)	13.95(40m)	15.7008		16.2344
	75m			15.0647								8:41
	100m			15.0659								
	150m			14.5706								
	200m			13.5101								
	250m			12.7599								
	300m			11.9367								
	400m			10.3128								
	500m			9.2167								
	600m			7.447								
塩分	0m	33.8721	33.7321	34.6128	31.9309	31.0683	32.0829	31.2802	32.354	32.4777	33.1106	33.1279
	10m	34.5908	33.7626	34.5984	32.0231	31.4267	32.2663	32.2417	32.4545	32.6868	33.2111	6:00
	20m	34.6759	34.3195	34.606	33.9168	34.2393	33.431	32.2898	32.5247	32.9853	33.833	33.5122
	30m	34.6692	34.4757	34.61	34.3492			34.3279	32.8527	33.3582	34.4927	2:49
	50m	34.6533	34.5583	34.6439				34.18(40m)	34.20(41m)	34.5086		34.6212
	75m			34.5883								13:39
	100m			34.59								
	150m			34.5612								
	200m			34.5041								
	250m			34.4696								
	300m			34.4348								
	400m			34.3871								
	500m			34.3732								
	600m			34.3646								
溶存酸素	0m											
(ml/L)	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD	0m	0.80	1.47	0.69	2.11	2.86	1.65	3.25	2.05	2.02	1.52	1.58
(mg/L)	10m	0.43	1.31	0.53	2.26			2.10	2.16	1.89	1.33	1.18
	30m	0.40	0.98	0.58	0.62			0.78	1.28	1.26	0.58	1.14
	50m	0.45	0.90	0.46				0.59(40m)	0.62(40m)	0.82		0.70
	100m			0.40								
	250m			0.37								
NH_4-N	0m	−0.13	0.44	−0.13	2.28	10.228	1.687	4.35	1.83	0.58	0.66	0.87
	10m	−0.13	0.64	0.08	1.85			1.34	1.72	1.05	0.59	0.76
	30m	−0.26	−0.07	−0.20	0.90			0.72	1.44	1.04	0.04	0.16
	50m	−0.26	−0.15	−0.22				0.31(40m)	0.29(40m)	0.04		0.08
	100m			−0.28								
	250m			−0.29								
NO_2-N	0m	0.71	0.83	0.27	1.96	2.691	1.801	2.31	1.66	1.40	1.07	1.14
	10m	0.27	0.78	0.27	1.82			1.65	1.54	1.43	1.05	1.06
	30m	0.26	0.41	0.26	0.80			0.73	1.20	0.90	0.42	0.57
	50m	0.25	0.35	0.26				0.63(40m)	0.56(40m)	0.46		0.36
	100m			0.19								
	250m			0.03								
NO_3-N	0m	9.17	10.48	4.60	25.87	43.314	24.418	35.39	21.98	20.04	15.43	15.09
	10m	5.27	9.83	4.45	24.39			22.33	20.53	19.26	14.91	14.28
	30m	5.58	5.18	4.37	8.32			9.13	16.36	12.61	8.05	7.53
	50m	6.03	4.71	4.55				7.72(40m)	8.32(40m)	8.08		5.24
	100m			10.09								
	250m			17.15								
PO_4-P	0m	0.21	0.26	0.23	0.25	0.727	0.263	0.34	0.25	0.24	0.25	0.29
	10m	0.32	0.31	0.31	0.26			0.27	0.24	0.26	0.29	0.27
	30m	0.41	0.30	0.36	0.32			0.31	0.28	0.33	0.36	0.27
	50m	0.29	0.26	0.29				0.47(40m)	0.37(40m)	0.35		0.37
	100m			0.37								
	250m			0.61								

沿岸定線調査（平成31(2019)年4月

測点		1	2	3	5	6	7	9	10	12	14
観測日		11	11	11	11	11	11	11	11	11	3
開始時間		8:55	9:29	10:00	11:49	12:45	13:13	13:52	14:45	15:27	9:51
終了時間		8:58	9:32	10:19	11:57	12:49	13:20	14:13	14:54	15:31	9:58
天気			BC		BC	BC		BC		C	
気温(℃)			13.8		14.3	13.6		15.3		14.8	
気圧(hPa)			1003.6		1004.8	1005.8		1006.0		1006.5	
風向風力			N 5		S 3	WSW 2		N 4		NNE 4	
水色		5	6	5	9	6	5	5	6	6	4
透明度		14.0	13.0	16.0	5.0	17.0	16.0	15.0	12.0	12.0	18.0
波浪			S 3		N 1	NE 2		S 2		S 3	
うねり			NE 1		N 2	W 2		W 2		SW 2	
測点水深(m)		70	138	621	364	178	1252	684	885	153	576
水温	0m	15.9	16.0	15.9	16.5	16.2	16.5	16.0	16.0	16.0	16.8
(℃)	10m	15.6068	15.6112	15.5949	15.7824	15.8085	15.7575	15.6407	15.7111	15.703	16.5552
	20m	15.6079	15.6409	15.6016	15.7333	15.7804	15.7763	15.6602	15.8422	15.7025	16.4364
	30m	15.6075	15.6555	15.6289	15.7354	15.7479	15.7631	15.6757	15.9491	15.698	16.4094
	50m	15.4202	15.6866	15.7304	15.8245	15.7449	15.7371	15.7148	15.9274	15.7253	16.2296
	75m		15.2083	15.3221	15.7608	15.7691	15.7221	15.6026	14.6746	15.6006	15.3428
	100m		14.52	14.0578	14.8166	15.0344	14.2589	14.5443	14.2152	14.6794	14.7827
	150m			12.3693	12.8489		12.9112	12.9731	12.7664		13.5582
	200m			11.6414	11.9461		11.971	11.5083	11.7737		12.7667
	250m			10.6868	11.068		11.1332	10.6471	11.1387		12.0961
	300m			9.3219				9.6672			
	400m			7.7062				7.9358			
	500m			6.3946				7.0933			
	600m			5.7796				5.4543			
塩分	0m	34.5053	34.3221	34.4798	34.2781	34.5464	34.5712	34.4117	34.4976	34.4742	34.6954
	10m	34.5036	34.4774	34.4879	34.5102	34.5474	34.5361	34.4454	34.4732	34.4786	34.6938
	20m	34.5042	34.5201	34.5066	34.5234	34.5502	34.5662	34.5138	34.5427	34.4777	34.6852
	30m	34.5049	34.536	34.5214	34.5293	34.5465	34.5728	34.5213	34.6153	34.4758	34.684
	50m	34.5922	34.5748	34.5681	34.5846	34.5477	34.5754	34.552	34.6233	34.4906	34.6651
	75m		34.5864	34.5923	34.5876	34.5731	34.5727	34.564	34.5678	34.6047	34.6084
	100m		34.5477	34.5308	34.5618	34.5704	34.5347	34.5578	34.5436	34.5672	34.5649
	150m			34.4402	34.4657		34.47	34.4738	34.4638		34.4985
	200m			34.4048	34.4198		34.4141	34.3973	34.4094		34.4626
	250m			34.3574	34.3787		34.3783	34.3557	34.3753		34.4281
	300m			34.3091				34.3138			
	400m			34.2813				34.2787			
	500m			34.2883				34.2831			
	600m			34.2941				34.2797			
溶存酸素	0m										
(ml/L)	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD	0m	0.50	0.69	0.64	0.59	0.50	0.56	0.75	0.59	0.59	0.59
(mg/L)	10m	0.59		0.69	0.62	0.62		0.46		0.62	
	30m	0.58		0.42	0.62	0.50		0.40		0.61	
	50m	0.53		0.59	0.46	0.46		0.56		0.64	
	100m			0.42				0.32			
	250m			0.29				0.13			
NH_4-N	0m	0.365	0.678	0.173	0.109	0.14	0.106	0.27	0.081	6.368	−0.269
	10m	0.288		0.215	0.135	0.179		0.016		3.32	
	30m	0.26		0.079	0.172	0.31		0.45		7.925	
	50m	−0.129		0.101	0.129	0.28		0.162		0.153	
	100m			−0.295				−0.26			
	250m			−0.283				−0.238			
NO_2-N	0m	0.384	0.396	0.386	0.222	0.36	0.651	0.60	0.344	0.4	0.264
	10m	0.408		0.389	0.329	0.395		0.395		0.411	
	30m	0.415		0.426	0.368	0.43		0.34		0.403	
	50m	0.635		0.443	0.469	0.479		0.331		0.333	
	100m			0.138				0.04			
	250m			0.028				−0.004			
NO_3-N	0m	4.103	4.719	3.842	2.999	4.30	4.676	5.99	5.685	6.16	4.732
	10m	4.142		3.908	3.619	4.514		5.991		6.23	
	30m	4.193		4.327	3.942	4.43		5.04		6.123	
	50m	8.347		4.423	4.544	4.557		5.263		6.033	
	100m			13.378				12.28			
	250m			22.45				22.578			
PO_4-P	0m	0.214	0.336	0.224	0.242	0.22	0.216	0.24	−0.198	−0.198	0.23
	10m	0.206		0.228	0.207	0.359		0.241		−0.198	
	30m	0.226		0.215	0.339	0.31		0.23		−0.198	
	50m	0.301		0.217	0.36	0.252		0.241		−0.198	
	100m			0.484				−0.20			
	250m			0.92				−0.198			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（平成31(2019)年4月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		3	4	4	4	4	3	3	3	3	3	11	11	11	11	3	3	3	3	3	4
開始時間		10:16	9:06	8:35	8:02	7:20	13:04	12:28	11:50	11:13	10:49	11:15	10:43	12:18	8:24	14:03	14:34	15:02	15:31	16:17	6:42
終了時間		10:24	9:13	8:42	8:10	7:37	13:23	12:36	11:59	11:22	10:51	11:17	10:44	12:25	8:31	14:10	14:41	15:10	15:39	16:24	6:49
天気		BC			BC		BC		BC		BC		BC		B		BC		BC		BC
気温(℃)		10.4			9.6		11.5		10.7		10.6		14.6		12.9		11.0		11.9		8.6
気圧(hPa)		1017.5			1016.3		1016.6		1017.0		1017.1		1004.2		1002.9		1016.3		1016.2		1016.3
風向風力		NE 5			N 2		NW 2		NNE 3		NNE 4		N 3		NNE 5		SE 2		S 4		N 2
水色		4	5	5	5	4	4	4	4	4	4	7	9	6	4	4	4	4	5	5	4
透明度		21.0	16.0	13.0	14.0	15.0	22.0	25.0	21.0	22.0	19.0	9.0	5.0	14.0	16.0	16.0	22.0	13.0	11.0	14.0	16.0
波浪		SSW 3			SSW 2		S 2		SSW 3		S 3		S 2		S 3		SW 2		N 2		S 2
うねり		SSW 1					SE 1		SSW 1		S 1		N 2		NE 1						NE 1
測点水深(m)		502	341	864	1227	1503	1466	1544	861	511	85	73	33	652	280	393	544	1013	532	733	1383
水温	0m	16.8	16.6	16.3	16.1	16.8	17.2	17.5	17.6	17.3	16.9	15.7	15.4	16.4	15.5	18.2	17.6	17.2	16.8	16.5	16.4
(℃)	10m	16.4917	16.3092	15.9439	15.7868	16.5546	16.6355	16.9484	16.9916	17.1275	16.6036	15.5398	15.731	15.7648	15.5878	17.5363	16.9318	16.602	16.361	16.058	16.0707
	20m	16.4751	16.2797	16.0428	15.8241	16.5041	16.5274	16.884	16.7554	16.5333	16.5892	15.6376	15.7165	15.8691	15.5868	17.5171	16.7553	16.2955	16.337	16.0523	16.0718
	30m	16.4764	16.2599	16.1394	15.9377	16.5015	16.3711	16.858	16.5996	16.2383	16.5874	15.6853	15.6739	15.9276	15.5862	17.4953	16.6498	16.2639	16.3228	15.9957	16.1295
	50m	16.4441	15.5981	16.1296	15.976	16.376	16.3134	16.5733	16.5408	16.0427	16.5585	15.8709		15.8859	15.5902	17.4123	16.5162	16.2438	16.2221	16.0473	15.9676
	75m	15.4225	14.5554	15.4739	15.9915	16.1077	16.1521	16.0278	16.4465	16.0051				15.7379	15.3196	16.6649	16.5101	16.1411	15.6762	15.8107	14.7364
	100m	14.8258	14.0975	14.4804	16.0153	15.3295	15.9491	15.6309	15.3346	15.9883				14.2238	14.2349	15.7682	16.4416	15.1009	14.5836	14.9853	14.1399
	150m	13.4033	13.8392	12.4097	13.6093	13.9689	14.061	14.7025	14.1078	15.7136				12.5946	12.9265	14.6837	14.7212	14.1881	13.5235	13.8676	13.374
	200m	13.0329	12.7653	11.5045	11.8276	12.5304	13.4493	13.0053	13.3909	13.3877				11.8932	12.049	13.505	12.6916	12.8414	12.7742	12.9472	12.4115
	250m	12.6482	11.9658	10.8309	10.8732	11.1494	11.9537	12.092	12.2688	12.2046				10.8455		11.6187	11.6685	11.5378	11.6878	12.1934	11.5155
	300m					10.0093	11.2285														
	400m					8.8197	10.1885														
	500m					7.6339	8.685														
	600m					5.8083	6.8868														
塩分	0m	34.6866	34.6871	34.5222	34.5173	34.697	34.6913	34.698	34.7178	34.7159	34.6958	34.3725	32.9696	34.2175	34.5327	34.7222	34.7063	34.6884	34.6714	34.563	34.6131
	10m	34.6868	34.6877	34.5377	34.5148	34.6972	34.6884	34.6916	34.6927	34.7135	34.6961	34.4299	34.3933	34.4786	34.5335	34.708	34.6951	34.687	34.6672	34.5613	34.618
	20m	34.6845	34.6854	34.5743	34.5283	34.6897	34.6801	34.6907	34.6855	34.6748	34.6924	34.4945	34.4781	34.527	34.5337	34.7124	34.6911	34.6746	34.663	34.5949	34.6185
	30m	34.6846	34.6816	34.6167	34.5753	34.69	34.6706	34.6898	34.6822	34.6615	34.692	34.5215	34.4777	34.5647	34.5331	34.7116	34.6871	34.6766	34.6595	34.5813	34.6416
	50m	34.6825	34.6088	34.6564	34.5943	34.6853	34.6659	34.6851	34.6812	34.6529	34.6895	34.5879		34.5874	34.5671	34.7082	34.6841	34.6747	34.6476	34.6129	34.6485
	75m	34.6085	34.554	34.6171	34.5993	34.6532	34.6605	34.6509	34.6765	34.6512				34.5543	34.5978	34.6682	34.6737	34.6607	34.6192	34.6138	34.5615
	100m	34.5752	34.5361	34.5511	34.6079	34.6074	34.6469	34.6277	34.6075	34.6502				34.5362	34.537	34.6119	34.6691	34.582	34.554	34.5742	34.5343
	150m	34.4929	34.5221	34.4385	34.5038	34.5243	34.5375	34.5718	34.5384	34.6316				34.4517	34.4712	34.5608	34.5737	34.5367	34.5024	34.5217	34.4937
	200m	34.475	34.4627	34.394	34.4111	34.447	34.5021	34.4767	34.4931	34.4774				34.4144	34.4264	34.5066	34.4537	34.466	34.4613	34.4707	34.4433
	250m	34.4539	34.4217	34.3652	34.3617	34.3714	34.4171	34.4248	34.4303	34.4289				34.3679		34.3979	34.4004	34.3958	34.4061	34.4323	34.3931
	300m					34.3256	34.3814														
	400m					34.2868	34.3292														
	500m					34.2834	34.2801														
	600m					34.27	34.2844														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	0.48	0.48	0.93	0.66	0.43	0.42	0.43	0.42	0.40	0.42	0.72	0.77	0.61	0.38	0.56	0.48	0.56	0.46	0.59	0.45
(mg/L)	10m					0.48	0.48					0.66									
	30m					0.37	0.45					0.50									
	50m					0.35	0.40					0.4									
	100m					0.26	0.30														
	250m					0.35	0.21														
NH_4-N	0m	−0.218	−0.148	−0.224	−0.026	−0.21	−0.24	−0.25	−0.21	−0.158	−0.247	0.34	3.01	0.115	0.127	−0.145	−0.221	0.145	−0.212	−0.128	−0.001
	10m					−0.26	−0.26					0.106									
	30m					−0.27	−0.21					0.17									
	50m					−0.23	−0.29					0.146									
	100m					−0.29	−0.26														
	250m					−0.32	−0.30														
NO_2-N	0m	0.258	0.255	0.306	0.416	0.27	0.23	0.322	0.365	0.332	0.24	0.16	1.031	0.251	0.457	0.3	0.366	0.312	0.316	0.353	0.413
	10m					0.26	0.24					0.229									
	30m					0.30	0.22					0.34									
	50m					0.29	0.20					0.435									
	100m					0.18	0.14														
	250m					0.02	0.03														
NO_3-N	0m	5.034	4.39	5.367	4.791	4.20	5.46	4.154	3.064	3.354	4.592	1.68	16.309	2.985	4.779	1.764	3.334	3.966	3.924	4.569	4.764
	10m					4.35	5.44					2.345									
	30m					4.56	6.06					3.77									
	50m					4.60	6.74					4.29									
	100m					8.68	8.78														
	250m					21.22	19.79														
PO_4-P	0m	0.25	0.255	0.249	0.232	0.26	0.33	0.291	0.197	0.211	0.299	0.21	0.896	0.222	0.229	0.195	0.23	0.268	0.248	0.222	0.384
	10m					0.32	0.37					0.235									
	30m					0.30	0.38					0.27									
	50m					0.31	0.50					0.273									
	100m					0.46	0.48														
	250m					0.90	0.84														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和元年(2019)年5月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		8	9	7	9	9	9	9	9	9	9	9
開始時間		8:50	9:01	8:50	11:54	12:17	11:29	11:04	10:42	10:16	9:47	9:25
終了時間		8:52	9:03	9:09	11:55	12:18	11:29	11:06	10:44	10:18	9:49	9:29
天気		B	C	BC		C	C		C		BC	
気温(℃)		15.8	19.4	15.8		19.2	18.9		19.1		19.3	
気圧(hPa)		1015.5	1010.4	1009.3		1008.8	1009.1		1009.4		1009.7	
風向風力		NW 1	ENE 4	NNE 3		SSW 4	SSW 4		SW 5		SW 5	
水色		6	6	6	14	13	14	13	13	13	6	6
透明度		7.0	7.0	9.0	3.5	4.0	4.0	4.0	4.5	5.0	6.0	7.0
波浪		E 1	NE 2	SW 2		NE 2	NNE 2		NE 2		N 2	
うねり		ENE 1	NE 1								NE 1	
測点水深(m)		82	128	685	31.7	26.9	28.4	41.8	44.5	59.5	43	93
水温 (℃)	0m	18.8	18.5	19.3	17.5	17.3	17.3	17.5	17.2	17.3	17.4	17.9
	10m	18.5462	18.1147	18.9587	16.7166	16.0554	16.7127	16.5939	16.5312	16.7837	16.7865	5:04
	20m	18.6103	18.3591	17.9746	15.9025	15.6192	16.1652	16.1561	16.1356	16.6718	16.6981	17.3348
	30m	18.4359	17.4631	17.0007	15.3911			15.7034	16.0168	16.4394	16.6301	23:09
	50m	16.3555	16.6325	16.0194				16.63(40m)	15.91(40m)	16.2937		16.7531
	75m			15.0697								21:01
	100m			13.9822								
	150m			12.6573								
	200m			11.6718								
	250m			10.3503								
	300m			9.6239								
	400m			7.9959								
	500m			6.3122								
	600m			5.4799								
塩分	0m	34.3527	34.1648	34.5402	32.2332	32.4818	32.7085	33.0281	33.494	33.2981	33.5984	33.7957
	10m	34.3744	34.1696	34.5406	32.3052	33.3919	32.7829	33.5564	33.7672	33.7106	33.5932	19:24
	20m	34.5952	34.5615	34.5804	33.5436	33.7501	33.8458	33.9035	34.0128	33.9543	33.8846	34.3343
	30m	34.609	34.5574	34.5373	33.8335			34.2289	34.0248	34.0921	34.0291	7:55
	50m	34.5965	34.59	34.5861				33.30(40m)	34.09(40m)	34.1279		34.5394
	75m			34.5716								13:19
	100m			34.5259								
	150m			34.4663								
	200m			34.4256								
	250m			34.3672								
	300m			34.362								
	400m			34.3357								
	500m			34.3555								
	600m			34.3639								
溶存酸素 (ml/L)	0m											
	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD (mg/L)	0m	0.99	0.66	0.90	1.40	1.61	1.10	1.21	0.86	0.82	0.86	1.00
	10m	0.69	0.55	0.66	1.18			0.79	0.63	0.74	0.82	0.71
	30m	0.44	0.25	0.50	0.63			0.38	0.34	0.60	0.57	0.39
	50m	0.33	0.25	0.35				0.22(40m)	0.20(40m)	0.44		0.38
	100m			0.34								
	250m			0.40								
NH_4-N	0m	0.00	0.00	−0.07	0.00	−0.011	−0.005	0.00	0.00	0.00	0.00	0.00
	10m	0.00	0.00	0.26	0.00			0.00	0.00	0.00	0.00	0.00
	30m	0.00	0.00	−0.07	2.83			1.02	0.31	0.00	0.00	0.00
	50m	0.00	0.00	−0.06				1.13(40m)	0.55(40m)	0.00		0.00
	100m			−0.06								
	250m			−0.06								
NO_2-N	0m	0.07	0.06	0.02	1.46	1.53	1.218	1.13	0.92	0.82	0.73	0.40
	10m	0.03	0.06	0.09	1.48			1.19	1.22	0.75	0.65	0.38
	30m	0.09	0.32	0.22	2.91			2.63	1.91	0.77	0.61	0.43
	50m	0.24	0.79	0.30				2.81(40m)	2.14(40m)	1.09		0.43
	100m			0.06								
	250m			0.04								
NO_3-N	0m	0.48	0.38	0.08	11.88	11.925	9.82	9.91	8.08	7.02	6.81	3.33
	10m	0.22	0.43	0.16	11.95			9.66	8.89	7.22	6.68	3.24
	30m	1.87	2.86	4.20	13.16			11.81	10.76	7.96	7.02	5.20
	50m	7.74	6.29	7.09				11.93(40m)	11.16(40m)	8.85		5.05
	100m			13.88								
	250m			23.56								
PO_4-P	0m	0.12	0.10	0.14	0.29	0.29	0.26	0.35	0.19	0.21	0.19	0.14
	10m	0.10	0.10	0.11	0.25			0.29	0.40	0.21	0.23	0.13
	30m	0.18	0.16	0.20	1.15			0.74	0.52	0.30	0.29	0.24
	50m	0.34	0.26	0.29				0.79(40m)	0.59(40m)	0.48		0.24
	100m			0.54								
	250m			0.85								

沿岸定線調査（令和元年(2019)年5月

測点		1	2	3	5	6	7	9	10	12	14
観測日		13	13	13	13	13	13	13	13	13	7
開始時間		14:21	13:50	13:07	11:32	10:41	10:10	9:25	8:54	8:25	9:41
終了時間		14:23	13:53	13:22	11:40	10:45	10:17	9:44	9:01	8:29	9:48
天気			BC		C	C		C		C	
気温(℃)			19.4		18.8	17.8		16.1		15.7	
気圧(hPa)			1018.5		1019.5	1019.6		1019.7		1019.7	
風向風力			SE 1		SSE 1	NE 2		NE 3		NE 2	
水色		11	8	10	6	5	5	5	6	6	5
透明度		6.0	9.0	5.0	8.0	11.0	8.0	10.0	8.0	8.0	10.0
波浪			ENE 1		W 1	SW 2		SW 2		SSW 2	
うねり										NE 1	
測点水深(m)		64	191	614	341	152	1259	694	1052	166	583
水温 (℃)	0m	19.5	19.5	19.3	19.3	19.1	19.0	18.9	19.0	18.8	19.3
	10m	18.8946	18.6774	17.9802	18.5719	18.6066	18.6011	18.6551	18.6528	17.9816	18.9024
	20m	17.8646	18.636	17.8094	18.0974	18.2663	18.491	18.4816	18.2643	17.6273	18.8806
	30m	17.0703	18.5376	17.571	17.2462	17.9782	17.8227	18.0598	18.0583	17.2322	18.2151
	50m	16.1155	16.6259	16.2073	16.0512	16.4606	16.5159	16.901	17.0613	16.6619	16.1179
	75m		14.9398	14.832	14.7662	15.2643	15.5484	15.4197	14.5435	15.3003	15.1194
	100m		14.3356	14.2331	14.1497	14.3347	14.2955	13.5468	13.5165	14.6373	14.1552
	150m			12.2735	12.7565		13.3027	12.4335	11.8354		13.1155
	200m			11.644	11.5498		11.3649	10.8816	11.2573		11.2883
	250m			10.6848	10.9128		10.4872	10.003	10.621		10.2555
	300m			9.648				9.2534			
	400m			8.3301				7.9747			
	500m			6.5141				7.1439			
	600m							5.2909			
塩分	0m	34.3354	34.4089	34.1169	34.3444	34.4234	34.4785	34.5599	34.623	34.4567	34.6417
	10m	34.3398	34.4017	34.2543	34.4056	34.4377	34.4869	34.5676	34.6168	34.5204	34.6415
	20m	34.4233	34.4187	34.316	34.4136	34.4647	34.5434	34.5598	34.6103	34.5408	34.6413
	30m	34.5241	34.4955	34.3994	34.4932	34.5013	34.5506	34.5022	34.61	34.6041	34.6238
	50m	34.5646	34.536	34.5509	34.5819	34.5324	34.5759	34.6127	34.6028	34.6158	34.5823
	75m		34.5569	34.5561	34.543	34.5597	34.5776	34.5796	34.5335	34.5822	34.5694
	100m		34.5361	34.5361	34.5316	34.5339	34.5321	34.5015	34.5005	34.5524	34.5319
	150m			34.4391	34.4627		34.4903	34.4441	34.4166		34.4814
	200m			34.4082	34.4027		34.3945	34.3703	34.3836		34.3928
	250m			34.3631	34.3737		34.3519	34.3352	34.3565		34.3463
	300m			34.3211				34.3088			
	400m			34.2898				34.2842			
	500m			34.2801				34.2781			
	600m							34.3022			
溶存酸素 (ml/L)	0m										
	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD (mg/L)	0m	0.93	0.85	1.20	0.86	0.70	0.90	0.67	0.62	0.71	0.34
	10m	0.90		0.96	0.54	0.61		0.64		0.47	
	30m	0.38		0.67	0.37	0.72		0.54		0.30	
	50m	0.26		0.51	0.22	0.51		0.42		0.26	
	100m			0.38				0.35			
	250m			0.29				0.24			
NH_4-N	0m	0	0	0	0	0.00	0	0.00	0	0.00	−0.056
	10m	0.00		0	0	0		0		0	
	30m	0		0	0	0.00		0.00		0.00	
	50m	0.00		0	0	0		0		0	
	100m			0				0.00			
	250m			0				0			
NO_2-N	0m	0.038	0.022	0.055	0.044	0.05	0.039	0.02	0.043	0.04	0.075
	10m	0.03		0.05	0.032	0.026		0.019		0.049	
	30m	0.46		0.13	0.408	0.05		0.04		0.20	
	50m	0.68		0.889	0.461	0.86		0.264		0.204	
	100m			0.122				0.05			
	250m			0.038				0.051			
NO_3-N	0m	0.095	0.074	0.115	0.06	0.07	0.095	0.05	0.082	0.13	1.068
	10m	0.03		0.058	0.018	0.027		0.03		0.186	
	30m	3.976		0.648	3.738	0.18		0.36		3.72	
	50m	8.06		7.81	8.321	6.299		5.842		6.602	
	100m			13.324				14.64			
	250m			23.043				24.176			
PO_4-P	0m	0.095	0.109	0.108	0.077	0.08	0.101	0.07	0.077	0.12	0.139
	10m	0.09		0.091	0.088	0.113		0.084		0.088	
	30m	0.186		0.084	0.239	0.09		0.13		0.17	
	50m	0.29		0.254	0.31	0.21		0.24		0.232	
	100m			0.519				0.60			
	250m			0.777				0.885			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和元年(2019)年5月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		7	8	8	8	8	7	7	7	7	7	13	13	13	13	7	7	7	7	7	8
開始時間		10:09	8:25	7:51	7:20	6:42	12:50	12:14	11:40	11:05	10:39	12:11	12:44	11:04	14:46	13:52	14:25	14:53	15:20	16:06	6:07
終了時間		10:15	8:33	8:03	7:27	7:02	13:09	12:22	11:48	11:13	10:41	12:13	12:45	11:12	14:51	14:00	14:32	15:01	15:27	16:13	6:14
天気		BC			B			BC		BC			BC		BC	BC		BC		C	B
気温(℃)		17.9			14.6			18.3		17.9			18.8		19.4	19.7		18.6		17.2	13.5
気圧(hPa)		1009.5			1015.5			1009.3		1009.5			1018.9		1018.2	1008.7		1008.4		1009.1	1015.0
風向風力		NNE 2			NNW 2			E 2		NNE 2			SSE 1		S 2	NE 2		E 3		NNE 5	NE 1
水色		5	5	5	5	5	3	4	4	4	4	8	11	6	8	4	4	5	5	5	5
透明度		13	11.0	14.0	13.0	15.0	30.0	17.0	18.0	19.0	14.0	4.0	4.0	6.0	9.0	20.0	15.0	11.0	10.0	7.0	10.0
波浪		SW 2			S 1			SW 2		SW 2			NW 1		NW 1	SW 2		WNW 2		S 3	S 1
うねり		N 2			NW 1			NW 3		NW 3						SSW 1		NW 1			WNW 1
測点水深(m)		181	355	857	1239	1506	1525	1537	818	511	81	69	30	635	248	422	535	1021	529	733	1389
水温	0m	19.3	19.0	19.4	18.7	20.4	18.0	19.9	20.0	19.8	19.5	19.2	19.4	19.1	19.4	20.8	20.6	18.8	18.5	18.6	18.0
(℃)	10m	18.8303	18.4862	18.5848	17.6824	19.6038	17.4041	19.4916	19.5388	19.5186	18.5475	18.6443	18.77	18.2338	18.322	20.0548	19.8816	17.8735	18.4334	18.0834	17.7565
	20m	18.1965	18.3118	17.9509	17.5809	18.5527	17.2084	19.296	19.4279	19.3995	18.1384	17.4308	17.6078	17.4825	17.6689	19.4499	18.2496	17.1419	18.246	17.901	17.841
	30m	17.7696	17.7456	17.737	17.2314	17.7953	16.4377	19.1572	19.3029	18.9918	17.5704	16.547		17.1241	17.4959	18.6601	17.8935	16.7761	17.4292	16.7923	16.8417
	50m	16.6551	15.9572	15.684	16.486	16.6018	14.8151	18.4507	17.7995	17.4517	16.1282	15.9214		16.4203	16.7422	17.3804	17.2801	16.3116	16.0317	15.9915	16.1779
	75m	15.2963	14.1954	14.8625	15.1861	15.3893	14.6904	16.0858	16.1693	17.3228				14.7231	15.9498	16.3057	16.2077	14.9209	15.4216	14.6048	15.1615
	100m	14.7897	13.8224	13.6693	13.7407	14.4797	14.548	15.8479	16.1008	16.5838				14.2305	15.1092	14.9978	15.5543	14.0795	13.7288	13.7976	14.6933
	150m	13.1922	13.0869	12.0809	12.0029	12.215	12.8552	13.4661	13.6773	14.4054				12.6139	14.3615	12.954	12.7721	12.3213	12.108	12.4902	12.6629
	200m		11.482	10.8716	10.6435	11.1194	11.7032	12.7317	12.1978	12.8519				11.5762	11.2269	10.8936	10.3821	10.6231	10.9482	11.346	11.128
	250m		10.9275	10.3612	9.7585	10.2715	11.5026	10.9971	10.9695	10.2499				10.7079		9.9532	10.0014	9.7646	10.1612	10.3243	10.0599
	300m					9.0524	10.176														
	400m					7.8907	8.7411														
	500m					6.818	7.3998														
	600m						5.0097														
塩分	0m	34.5176	34.6242	34.6007	34.593	34.6601	34.6446	34.625	34.6369	34.6385	34.5935	33.9451	34.0287	34.1923	34.3254	34.6461	34.6457	34.5911	34.5244	34.4067	34.4415
	10m	34.5498	34.6191	34.5602	34.5745	34.6176	34.6434	34.6056	34.6461	34.6391	34.6054	34.2649	34.1023	34.3172	34.3197	34.6417	34.6059	34.5923	34.5935	34.3642	34.4383
	20m	34.5235	34.6215	34.4973	34.5797	34.5888	34.65	34.6118	34.652	34.6468	34.6236	34.3942	34.3966	34.443	34.4363	34.6499	34.5616	34.5832	34.5824	34.3148	34.4805
	30m	34.6057	34.6162	34.5015	34.5767	34.576	34.6279	34.6222	34.6552	34.6628	34.6224	34.5087		34.4787	34.4803	34.6671	34.6035	34.5883	34.5872	34.4188	34.484
	50m	34.6166	34.5822	34.5784	34.5726	34.5922	34.5754	34.6374	34.6366	34.6328	34.5867	34.5525		34.5408	34.5304	34.7059	34.6215	34.5823	34.5805	34.5555	34.5647
	75m	34.579	34.5328	34.5652	34.5676	34.5778	34.5706	34.6238	34.6309	34.6989				34.5525	34.5603	34.6622	34.645	34.5612	34.5851	34.5536	34.5729
	100m	34.5625	34.5186	34.5093	34.5063	34.5425	34.5604	34.6141	34.625	34.6684				34.5359	34.5602	34.5886	34.6163	34.535	34.5102	34.5162	34.5515
	150m	34.486	34.4788	34.4284	34.4212	34.4365	34.4688	34.4969	34.5097	34.5539				34.4556	34.5369	34.4734	34.4684	34.4451	34.4313	34.4515	34.4581
	200m		34.4005	34.3696	34.3604	34.3778	34.4038	34.4621	34.4346	34.4715				34.3988	34.3905	34.37	34.3285	34.3534	34.3751	34.3923	34.3811
	250m		34.3754	34.3482	34.3228	34.3432	34.394	34.37	34.3699	34.3439				34.3623		34.3288	34.3043	34.3154	34.3407	34.349	34.331
	300m					34.3024	34.3263														
	400m					34.2847	34.2787														
	500m					34.2784	34.2807														
	600m						34.3243														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	0.37	0.45	0.46	0.56	0.59	0.56	0.56	0.59	0.61	0.66	1.34	1.42	1.12	0.54	0.58	0.54	0.54	0.53	0.58	0.67
(mg/L)	10m					0.50	0.37					0.99									
	30m					0.37	0.34					0.54									
	50m					0.34	0.35					0.45									
	100m					0.37	0.30														
	250m					0.22	0.30														
NH_4-N	0m		−0.054	0	0	0.00	−0.04	−0.042	−0.042	−0.042	−0.042	0.00	0	0	0	−0.023	−0.02	−0.017	−0.014	−0.012	−0.008
	10m					0.00	−0.04					0.00									
	30m					0.00	−0.03					0.00									
	50m					0.00	−0.03					0.00									
	100m					0.00	−0.03														
	250m					0.00	−0.03														
NO_2-N	0m		0.067	0.058	0.045	0.03	0.14	0.094	0.097	0.154	0.087	0.04	0.075	0.053	0.04	0.049	0.014	0.095	0.06	0.022	0.021
	10m					0.03	0.10					0.02									
	30m					0.10	0.05					0.96									
	50m					0.25	0.03					0.68									
	100m					0.10	0.05														
	250m					0.04	0.02														
NO_3-N	0m		0.84	0.825	0.446	0.35	5.27	0.67	1.167	0.944	1.307	0.32	0.484	0.055	0.051	0.301	0.06	0.876	0.51	0.082	0.12
	10m					0.23	5.99					0.04									
	30m					1.62	9.22					6.40									
	50m					5.00	12.24					7.98									
	100m					12.92	13.66														
	250m					24.33	20.21														
PO_4-P	0m		0.113	0.115	0.107	0.12	0.22	0.104	0.11	0.102	0.131	0.12	0.123	0.099	0.078	0.097	0.095	0.111	0.1	0.092	0.082
	10m					0.10	0.26					0.09									
	30m					0.15	0.48					0.23									
	50m					0.24	0.46					0.29									
	100m					0.46	0.56														
	250m					0.85	0.97														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和元年(2019)年6月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		6	4	5	4	4	4	4	4	4	4	4
開始時間		8:44	8:52	8:50	11:43	12:05	11:17	10:54	10:33	10:08	9:39	9:18
終了時間		8:46	8:54	9:10	11:45	12:06	11:18	10:56	10:35	10:11	9:41	9:21
天気			BC	C	C				BC		BC	
気温(℃)			21.5	21.2	23.8				22.9		22.4	
気圧(hPa)			1013.7	1011.7	1013.1				1013.8		1013.8	
風向風力			NW 1	SSE 2	SW 1				ESE 1		NE 1	
水色		8	14	4	15	14	14	14	14	13	13	12
透明度		8.0	3.0	16.0	1.5	2.5	2.5	2.5	2.0	2.3	3.0	3.5
波浪			N 1	NW 1	NE 1				NE 1		N 1	
うねり												
測点水深(m)		82	113	685	31.2	25.2	29.4	40.8	44.0	57.5	35	71
水温 (℃)	0m	20.9	20.4	21.0	21.9	23.0	22.4	22.4	22.3	22.5	20.3	20.0
	10m	19.0339	20.0923	19.7153	18.6384	21.6562	20.1599	20.4572	21.046	20.5147	18.0996	0:27
	20m	18.0083	18.9961	18.2087	17.1096	16.6451	17.4415	17.7472	18.7946	19.1563	17.0158	17.7175
	30m	17.9066	17.6699	17.2124	16.4389			16.4357	16.5262	16.7	16.6721	4:00
	50m	17.1852	16.6864	16.2254				16.40(40m)	16.31(40m)	16.0346		16.6924
	75m			15.5603								
	100m			15.1376								
	150m			13.8761								
	200m			12.5525								
	250m			10.2672								
	300m			9.7424								
	400m			8.097								
	500m			6.3273								
	600m			5.1325								
塩分	0m	33.7585	32.1659	34.3392	30.5272	29.7859	30.3722	30.5969	31.4539	31.234	32.4837	32.7936
	10m	34.4418	32.7093	34.4244	32.6496	30.129	31.5607	31.4964	31.6259	31.6364	33.4873	3:43
	20m	34.5173	33.8169	34.5508	33.885	33.9766	33.7038	33.4463	32.7415	32.4934	34.0252	33.8245
	30m	34.5336	34.1564	34.6019	34.1779			34.3093	34.2349	34.1079	34.2516	10:56
	50m	34.5494	34.4356	34.606				34.38(40m)	34.37(40m)	34.4841		34.5072
	75m			34.5887								
	100m			34.5784								
	150m			34.5176								
	200m			34.4557								
	250m			34.3744								
	300m			34.3561								
	400m			34.341								
	500m			34.3522								
	600m			34.3629								
溶存酸素 (ml/L)	0m											
	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD (mg/L)	0m	0.94	1.62	0.64	3.14	3.36	3.18	2.94	2.35	2.88	1.68	1.87
	10m	0.67	1.46	0.54	1.02			1.49	1.55	1.50	0.72	1.12
	30m	0.46	0.64	0.27	0.43			0.37	0.35	0.58	0.42	0.50
	50m	0.42	0.46	0.62				0.22(40m)	0.14(40m)	0.29		0.38
	100m			0.29								
	250m			0.13								
NH_4-N	0m	0.24	10.01	−0.03	4.66	0.585	0.459	0.13	0.11	0.44	0.04	0.43
	10m	0.12	0.09	0.01	8.90			2.55	0.59	1.28	8.91	0.32
	30m	0.10	0.27	1.33	4.11			2.03	2.59	1.40	1.09	0.13
	50m	8.23	0.25	1.29				1.49(40m)	1.46(40m)	0.35		−0.12
	100m			0.40								
	250m			0.10								
NO_2-N	0m	0.03	0.22	0.04	0.08	0.079	0.071	0.06	0.06	0.06	0.12	0.14
	10m	0.06	0.07	0.05	1.36			0.59	0.18	0.37	0.37	0.32
	30m	0.20	0.69	0.22	1.34			0.87	1.00	0.65	0.39	0.95
	50m	0.30	0.50	0.26				0.84(40m)	0.71(40m)	0.45		0.84
	100m			0.10								
	250m			0.06								
NO_3-N	0m	0.04	0.69	0.03	0.16	0.134	0.147	0.10	0.12	0.09	1.09	0.95
	10m	0.66	0.31	0.15	7.90			4.37	1.05	2.95	4.61	3.14
	30m	3.71	6.51	2.58	10.58			9.38	10.02	9.24	6.57	7.86
	50m	3.69	7.27	6.09				9.88(40m)	9.72(40m)	9.51		8.77
	100m			11.73								
	250m			22.34								
PO_4-P	0m	0.10	0.30	0.07	0.24	0.338	0.361	0.20	0.20	0.21	0.22	0.22
	10m	0.12	0.22	0.10	0.80			0.42	0.33	0.33	0.37	0.28
	30m	0.17	0.33	0.16	0.61			0.65	0.61	0.48	0.43	0.34
	50m	0.30	0.38	0.26				0.53(40m)	0.65(40m)	0.44		0.38
	100m			0.49								
	250m			0.93								

沿岸定線調査（令和元年(2019)年6月

測点		1	2	3	5	6	7	9	10	12	14
観測日		17	17	17	17	17	17	17	17	17	5
開始時間		15:00	14:29	13:44	12:03	11:11	10:36	9:47	9:14	8:41	9:45
終了時間		15:03	14:32	14:00	12:10	11:15	10:43	10:05	9:21	8:45	9:52
天気		BC			BC	BC		BC		BC	
気温(℃)		23.9			23.9	22.6		22.5		22.3	
気圧(hPa)		1009.1			1008.9	1009.1		1008.5		1008.3	
風向風力		WSW 2			S 3	S 2		E 1		N 1	
水色		12	11	8	7	7	7	5	6	5	5
透明度		4.0	7.0	11.0	9.0	10.0	10.0	19.0	10.0	13.0	12.5
波浪		NE 1			N 1	NE 1		NE 1		NE 1	
うねり					N 1	NW 1		NE 1		NE 1	
測点水深(m)		65	152	591	358	236	1254	684	961	146	561
水温 (℃)	0m	22.4	22.0	21.5	20.8	21.2	21.8	22.0	21.5	21.2	21.0
	10m	21.0515	20.9262	20.8825	20.2884	20.2322	20.605	21.049	20.8519	20.9801	20.3323
	20m	21.0482	20.7121	20.7572	19.3566	19.6521	20.502	20.9785	20.9319	20.6493	18.8235
	30m	20.5306	19.7372	19.6873	18.9333	19.3803	20.0821	20.9428	20.7575	20.367	18.0966
	50m	18.3527	18.3498	18.4893	17.6249	17.8018	18.0412	18.8508	18.5175	19.4242	16.7638
	75m		17.1324	17.2413	16.4106	16.9789	16.8773	17.3851	17.0733	17.2376	14.7041
	100m		15.5335	15.3032	16.0306	16.4707	15.5673	15.4032	15.9827	16.0222	14.0705
	150m			13.6474	13.9688		13.5496	13.5297	14.0038		13.4523
	200m			12.0113	12.014		12.1066	11.9798	12.0779		11.9311
	250m			10.6741	9.9189		10.9438	10.6148	10.9471		10.3266
	300m			9.3262				9.4867			
	400m			7.9407				7.4888			
	500m			6.1262				6.3491			
	600m							5.06			
塩分	0m	32.6308	33.4073	33.8501	33.0556	33.721	33.6933	34.018	33.6198	33.8637	34.2775
	10m	33.6838	33.787	33.8738	33.9459	33.8544	33.6888	34.0178	33.7296	34.0579	34.2942
	20m	33.8946	33.9669	33.8792	34.2405	34.1029	33.7773	34.007	33.9526	34.2238	34.465
	30m	34.082	34.2239	34.2556	34.3197	34.1991	33.9282	34.0236	33.9384	34.2663	34.5441
	50m	34.4314	34.4728	34.4609	34.468	34.4493	34.4531	34.3921	34.4342	34.3709	34.5854
	75m		34.5699	34.5571	34.5748	34.5337	34.5723	34.5784	34.5855	34.5736	34.5478
	100m		34.555	34.5694	34.5662	34.5523	34.5651	34.5726	34.5806	34.5681	34.5275
	150m			34.5067	34.5153		34.4993	34.5005	34.523		34.4965
	200m			34.429	34.4249		34.4335	34.4257	34.4296		34.4226
	250m			34.363	34.3328		34.378	34.3595	34.3755		34.3583
	300m			34.3118				34.3154			
	400m			34.2708				34.2628			
	500m			34.2837				34.2812			
	600m							34.3077			
溶存酸素 (ml/L)	0m										
	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD (mg/L)	0m	0.94	1.14	1.09	0.84	0.90	1.00	0.94	1.05	0.66	0.64
	10m	1.04		1.01	0.84	0.82		0.84		0.59	
	30m	0.61		0.82	0.87	0.68		0.74		0.54	
	50m	0.21		0.56	0.58	0.46		0.62		0.71	
	100m			0.4				0.52			
	250m			0.24				0.26			
NH_4-N	0m	0.072	−0.063	0.143	0.06	−0.19	0.257	0.88	0.362	0.495	0.272
	10m	0.04		−0.111	0.357	−0.079		−0.118		0.097	
	30m	0.708		0.166	0.196	0.27		−0.13		0.818	
	50m	0.083		−0.187	−0.176	0.328		−0.152		0.477	
	100m			−0.252				−0.25			
	250m			−0.032				−0.166			
NO_2-N	0m	0.134	0.065	0.048	0.117	0.03	0.032	0.04	0.027	0.042	0.039
	10m	0.043		0.024	0.127	0.095		0.046		0.069	
	30m	0.142		0.225	0.442	0.27		0.05		0.186	
	50m	0.458		0.419	0.599	0.505		0.363		0.276	
	100m			0.112				0.09			
	250m			0.036				0.031			
NO_3-N	0m	1.727	0.707	0.085	2.282	0.08	0.123	0.07	0.025	0.15	0.069
	10m	0.087		0.061	0.859	0.563		0.039		0.482	
	30m	0.988		1.831	3.723	2.22		0.21		1.917	
	50m	4.397		4.969	6.395	5.334		3.783		3.456	
	100m			11.101				10.87			
	250m			22.769				23.454			
PO_4-P	0m	0.164	0.112	0.091	0.127	0.08	0.1	0.09	0.097	0.114	0.083
	10m	0.1		0.109	0.096	0.107		0.078		0.087	
	30m	0.117		0.117	0.173	0.13		0.12		0.124	
	50m	0.235		0.212	0.277	0.205		0.185		0.174	
	100m			0.398				0.44			
	250m			1.149				0.961			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（平令和元年(2019)年6月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		5	6	6	6	6	5	5	5	5	5	17	17	17	17	5	5	5	5	5	6
開始時間		10:15	8:16	7:37	7:05	6:16	13:14	12:32	11:51	11:13	10:45	12:39	13:20	11:35	15:26	14:23	14:57	15:27	15:53	16:38	5:42
終了時間		10:21	8:23	7:44	7:12	6:44	13:34	12:41	11:59	11:21	10:47	12:43	13:22	11:42	15:32	14:31	15:05	15:34	16:01	16:45	5:50
天気		C	BC		BC			O		O			BC			BC		BC		BC	BC
気温(℃)		21.9	22.1		24.2			23.4		22.8			23.0			22.8		22.8		22.8	21.9
気圧(hPa)		1011.9	1011.7		1011.6			1011.0		1012.0			1009.0			1009.8		1010.0		1009.4	1010.6
風向風力		SE 2	W 1		SW 2			E 1		SE 3			SSW 2			ENE 2		SW 2		S 3	SSW 1
水色		5	8	8	8	4	5	4	4	4	5	7	10	7	12	5	4	5	5	5	5
透明度		15.0	14.0	8.0	7.0	18.0	14.0	16.0	16.0	19.0	16.0	9.0	6.0	13.0	4.5	21.0	23.0	14.0	14.0	17.0	17.0
波浪		NW 1	NNE 2		N 2			NW 2		NW 1			NNE 2			WSW 1		NE 1		NNE 1	NNW 1
うねり		NW 1	N 1		N 1			NNW 2		NNW 1						SW 1					
測点水深(m)		200	406	872	1223	1509	1470	1544	799	447	81	83	35	624	242	365	569	1026	543	763	1386
水温	0m	21.1	20.9	20.8	20.7	21.9	20.8	23.5	23.3	22.7	21.5	21.2	21.8	21.0	22.3	23.3	21.6	21.7	21.8	21.5	21.3
(℃)	10m	19.509	19.91	20.643	20.168	21.3357	19.7895	21.0805	21.4259	20.571	20.5649	20.65	20.7355	20.3478	21.0825	21.349	21.0593	20.6168	20.2649	21.0331	20.9536
	20m	18.4088	18.7278	20.2105	19.8021	20.0777	19.3176	17.5443	18.6342	20.0952	19.1528	20.4718	20.3638	19.9994	20.6624	19.5966	20.8745	20.0581	19.4571	18.4834	20.6584
	30m	17.2463	17.5438	19.3362	18.7738	19.3859	19.2214	16.605	17.4948	19.4009	18.4679	19.4035	19.3489	19.5463	20.3257	18.3767	20.0107	19.2816	18.6333	17.7937	19.364
	50m	16.0422	16.3754	16.8791	17.409	17.3943	17.0155	16.1508	16.8196	17.5318	17.3385	18.1251		18.0507	19.1902	16.7631	16.7678	18.5157	16.7036	16.2766	18.5228
	75m	15.8374	15.4215	15.5167	16.3072	15.4366	15.7829	15.8153	15.9545	16.8821				16.3395	15.9497	15.6155	16.3523	16.6724	15.1055	14.9142	15.496
	100m	14.9816	14.503	14.1721	14.5518	14.731	14.6786	15.311	15.3206	15.6591				15.0151	14.9607	15.4729	14.161	14.2553	14.0741	13.9349	14.5001
	150m	14.3001	12.0969	11.6127	11.8656	13.1425	14.5143	14.3341	13.4425	13.2405				13.4801	12.9901	13.9039	12.944	11.5035	12.4731	12.233	12.9684
	200m		11.3471	10.1861	10.1855	12.0099	11.8859	11.8375	11.9486	11.4256				11.9357	12.0883	12.292	10.6531	10.1966	11.1546	11.3999	12.1287
	250m		10.3534	9.7355	9.2617	10.3119	10.8476	11.6492	10.689	9.7913				10.3626		10.7762	10.0647	9.7253	10.2083	10.5163	10.6304
	300m					9.3236	10.0666														
	400m					7.704	8.6047														
	500m					6.5201	7.266														
	600m					5.0261	5.3982														
塩分	0m	34.2931	33.8605	33.9486	33.7691	34.436	34.5553	34.5255	34.5582	34.4962	34.3866	33.7788	33.2583	33.9551	33.0421	34.4498	34.1543	34.282	34.189	34.1466	34.1811
	10m	34.4286	34.3426	34.0634	33.8275	34.3501	34.571	34.4773	34.5439	34.4588	34.3861	33.8331	33.8395	34.0135	33.6214	34.5268	34.175	34.2886	34.2201	34.1651	34.1942
	20m	34.5345	34.4621	34.2719	34.1891	34.2991	34.5609	34.5915	34.5869	34.5689	34.4883	33.9151	34.1429	34.0107	33.8288	34.5915	34.217	34.3149	34.3503	34.4711	34.226
	30m	34.5976	34.5357	34.4208	34.4274	34.4186	34.5805	34.6043	34.6102	34.6147	34.5964	34.2553	34.3203	34.1385	34.0972	34.6125	34.3983	34.4045	34.4717	34.5266	34.3821
	50m	34.5936	34.5741	34.5624	34.5698	34.538	34.5957	34.5998	34.6448	34.6516	34.606	34.4521		34.4356	34.3611	34.6381	34.6432	34.4527	34.553	34.5659	34.4749
	75m	34.5832	34.5792	34.5937	34.5807	34.5612	34.5807	34.5882	34.6177	34.6309				34.5563	34.5642	34.6005	34.6459	34.5414	34.5553	34.5546	34.5656
	100m	34.5636	34.5444	34.5308	34.534	34.5478	34.553	34.5787	34.6064	34.6039				34.546	34.547	34.6037	34.5319	34.5277	34.5269	34.5102	34.54
	150m	34.5477	34.4335	34.3784	34.4193	34.4794	34.5501	34.5411	34.4826	34.4917				34.4918	34.4768	34.5179	34.4736	34.4091	34.4477	34.4407	34.4737
	200m		34.3996	34.343	34.3354	34.4266	34.4248	34.4213	34.4269	34.4004				34.4234	34.4343	34.4427	34.3654	34.3451	34.3841	34.4008	34.4321
	250m		34.3543	34.3263	34.3057	34.3455	34.371	34.412	34.3641	34.3307				34.3491		34.3763	34.3384	34.3287	34.3409	34.3575	34.3584
	300m					34.3089	34.3434														
	400m					34.2569	34.2809														
	500m					34.273	34.2621														
	600m					34.3119	34.3002														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	0.64	1.31	1.17	1.06	0.70	0.69	0.74	0.61	0.67	0.62	1.06	1.31	0.87	1.60	0.67	0.67	0.83	0.83	0.70	0.72
(mg/L)	10m					0.64	0.66					0.90									
	30m					0.61	0.58					0.64									
	50m					0.42	0.45					0.56									
	100m					0.42	0.37														
	250m					0.34	0.38														
NH_4-N	0m	0.294	0.261	0.232	0.242	0.37	0.30	0.256	0.303	0.29	0.185	−0.11	1.13	−0.166	0.306	0.479	0.538	0.505	0.537	0.515	0.414
	10m					1.42	0.81					−0.12									
	30m					0.38	0.39					0.21									
	50m					0.36	0.38					0.31									
	100m					0.41	0.37														
	250m					0.22	1.26														
NO_2-N	0m	0.04	0.031	0.026	0.025	0.03	0.04	0.023	0.023	0.028	0.025	0.04	0.593	0.061	0.067	0.021	0.026	0.029	0.027	0.019	0.029
	10m					0.05	0.04					0.06									
	30m					0.06	0.07					0.27									
	50m					0.19	0.09					0.49									
	100m					0.15	0.05														
	250m					0.04	0.06														
NO_3-N	0m	0.052	0.045	0.057	0.086	0.07	0.48	0.021	0.033	0.027	0.057	0.06	26.409	0.229	0.208	0.045	0.041	0.079	0.039	0.033	0.031
	10m					0.15	0.74					0.29									
	30m					0.95	2.74					2.51									
	50m					5.44	6.07					4.77									
	100m					10.82	12.96														
	250m					23.88	18.20														
PO_4-P	0m	0.06	0.104	0.089	0.092	0.06	0.08	0.047	0.054	0.066	0.083	0.08	0.509	0.079	0.149	0.065	0.062	0.097	0.071	0.063	0.057
	10m					0.07	0.14					0.09									
	30m					0.14	0.24					0.15									
	50m					0.23	0.25					0.24									
	100m					0.45	0.82														
	250m					0.98	0.91														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和元年(2019)年7月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		2	5	1	5	5	5	5	5	5	5	5
開始時間		9:29	9:06	9:05	12:17	12:36	11:44	11:16	10:53	10:27	9:58	9:34
終了時間		9:32	9:09	9:24	12:18	12:38	11:45	11:19	10:55	10:30	10:00	9:38
天気			C	R		C	C		C		C	
気温(℃)			22.0	23.4		23.1	22.6		22.3		22.4	
気圧(hPa)			1007.6	1004.4		1007.2	1008.1		1007.8		1007.7	
風向風力			NNE 2	S 2		ENE 3	NNW 2		NE 2		N 3	
水色		6	6	6	13	15	13	13	13	11	8	8
透明度		12.0	6.5	14.0	2.0	1.5	2.5	3.0	3.0	3.5	4.0	4.0
波浪			SSW 2	NE 2		WSW 1	SW 1		SSW 1		SW 1	
うねり			SW 1	NE 1								
測点水深(m)		78	104	681	31.3	25.6	28.5	40.6	42.7	57.9	31	78
水温	0m	22.6	22.0	22.7	23.5	23.2	23.0	22.4	22.4	22.0	21.3	22.4
(℃)	10m	22.2609	21.9107	22.2799	22.4796	22.1333	22.0063	21.9413	21.9183	21.6411	20.8656	9:51
	20m	19.7596	21.6029	22.1737	18.822	19.4934	20.2772	20.9304	21.7689	21.5436	19.0885	20.7596
	30m	19.3463	20.1395	20.2106	18.5054			18.9771	19.1853	20.3158	17.9696	22:37
	50m	17.0606	17.9344	18.509				17.88(40m)	17.91(40m)	18.3685		17.8501
	75m			17.0473								16:16
	100m			15.3658								
	150m			13.8008								
	200m			11.1312								
	250m			10.1049								
	300m			9.3478								
	400m			8.2908								
	500m			6.633								
	600m			5.8332								
塩分	0m	33.9665	32.6187	33.7173	26.8548	26.4215	29.5005	30.0849	30.8938	31.2445	32.2669	32.0138
	10m	34.1168	32.9399	34.1259	29.7115	29.4145	29.792	30.5322	31.0321	31.6269	32.439	8:35
	20m	34.4097	33.3935	34.1487	33.2865	32.6744	32.6805	31.8814	31.2551	31.7737	33.587	33.8999
	30m	34.4726	33.7517	34.4515	33.8531			33.7817	33.5965	32.8412	34.2052	3:54
	50m	34.6014	34.4796	34.5634				34.23(40m)	34.20(40m)	34.0217		34.4317
	75m			34.6221								11:06
	100m			34.5675								
	150m			34.499								
	200m			34.4091								
	250m			34.3856								
	300m			34.3681								
	400m			34.3604								
	500m			34.3632								
	600m			34.3662								
溶存酸素	0m											
(ml/L)	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD	0m	0.88	0.88	0.88	2.26	1.73	2.05	1.04	0.98	1.74	0.59	0.80
(mg/L)	10m	0.77	0.82	0.88	0.75			0.85	0.85	1.70	0.67	0.54
	30m	0.62	0.34	0.56	0.30			0.35	0.77	0.18	0.34	0.24
	50m	0.38	0.19	0.51				0.13(40m)	0.18(40m)	0.13		0.18
	100m			0.53								
	250m			0.35								
NH_4-N	0m	0.103	2.14	0.43	23.36	10.349	4.84	5.52	3.05	3.70	3.76	3.61
	10m	−0.012	1.77	0.24	7.55			7.48	4.41	4.01	3.11	2.67
	30m	−0.014	1.00	−0.03	8.69			2.24	1.98	3.47	0.58	0.54
	50m	−0.095	0.10	−0.07				0.91(40m)	1.14(40m)	0.92		0.16
	100m			−0.08								
	250m			−0.07								
NO_2-N	0m	0.062	0.97	0.06	2.55	1.998	1.661	1.77	1.85	1.89	1.28	1.13
	10m	0.057	0.85	0.09	1.64			1.70	1.81	1.97	1.44	1.28
	30m	0.441	1.00	0.19	1.10			1.69	1.56	1.73	0.94	0.67
	50m	0.097	0.41	0.25				1.43(40m)	1.41(40m)	1.40		0.45
	100m			0.06								
	250m			0.04								
NO_3-N	0m	0.222	5.38	0.34	64.41	24.718	11.061	11.27	9.31	9.61	7.67	6.24
	10m	0.206	4.49	0.56	9.74			11.23	9.85	9.11	9.15	7.30
	30m	4.459	6.86	4.16	15.79			13.38	12.05	10.53	10.04	5.22
	50m	8.756	8.39	6.63				11.85(40m)	11.70(40m)	11.44		8.49
	100m			12.07								
	250m			22.18								
PO_4-P	0m	0.098	0.47	0.12	5.36	2.559	1.167	1.21	0.75	0.78	0.69	0.61
	10m	0.088	0.36	0.11	1.45			1.22	0.81	0.87	0.72	0.61
	30m	0.217	0.41	0.24	1.63			1.05	0.99	0.83	0.58	0.36
	50m	0.376	0.46	0.37				0.81(40m)	0.78(40m)	0.66		0.46
	100m			0.58								
	250m			1.26								

沿岸定線調査（令和元年(2019)年7月

測点		1	2	3	5	6	7	9	10	12	14
観測日		8	8	8	8	8	8	8	8	8	1
開始時間		14:32	14:02	13:20	11:44	10:53	10:20	9:32	8:59	8:28	9:54
終了時間		14:34	14:05	13:35	11:52	10:58	10:27	9:51	9:07	8:32	10:03
天気		BC		C			C	C		C	
気温(℃)		21.8		22.6			21.5	21.4		20.1	
気圧(hPa)		1008.1		1008.3			1009.5	1009.7		1009.6	
風向風力		ENE 3		E 3			NE 5	NE 5		NE 4	
水色		13	9	10	11	8	9	9	9	10	6
透明度		3.5	8.0	8.0	9.0	11.0	10.0	9.0	9.0	5.0	12.0
波浪		WSW 2		W 2			SSW 3	SSW 3		S 2	
うねり							SW 1	SW 1			
測点水深(m)		63	165	585	302	173	1257	675	967	142	592
水温	0m	21.6	22.1	22.0	22.5	22.5	21.5	21.6	21.8	21.3	22.5
(℃)	10m	20.6948	21.6893	21.5729	22.0571	22.1269	21.3101	21.4817	21.5612	21.0899	22.1753
	20m	20.5373	21.4388	21.4678	21.8416	21.6487	21.2829	21.4606	21.5482	20.8301	21.084
	30m	20.4251	21.059	21.4516	21.6848	21.5487	21.2712	21.3642	21.1212	19.5882	19.8817
	50m	19.0235	19.1277	19.3027	18.6463	18.5716	20.2757	19.4242	18.78	18.6853	16.61
	75m		16.9973	16.8571	15.5451	14.9466	16.706	16.6532	16.7806	17.0363	15.5515
	100m		16.2295	15.4389	14.7911	14.2842	15.4327	15.739	16.1035	15.5619	14.9449
	150m			14.6681	13.1089		13.606	13.8407	13.5673		13.3397
	200m			12.9189	11.9816		12.0644	12.4211	11.9485		12.057
	250m			11.3311	10.9132		10.5896	11.071	10.3501		10.0584
	300m			10.158				9.3252			
	400m			8.5897				7.875			
	500m			7.1623				6.6634			
	600m							5.8084			
塩分	0m	33.146	33.702	33.789	31.3622	33.2157	33.8365	33.8654	33.8146	33.3267	33.9463
	10m	33.9567	33.7071	33.7921	33.5025	33.4542	33.8467	33.8644	33.815	33.332	34.1966
	20m	34.0622	33.8206	33.7907	33.6082	33.8296	33.8567	33.8659	33.8232	34.0282	34.3712
	30m	34.1048	33.9761	33.8105	33.7569	33.8789	33.8582	33.8903	33.9969	34.3658	34.4931
	50m	34.4117	34.3582	34.3261	34.387	34.403	34.2032	34.4133	34.4576	34.4817	34.6069
	75m		34.5433	34.5557	34.5582	34.5494	34.5611	34.5706	34.568	34.5538	34.5971
	100m		34.5623	34.5604	34.5444	34.5295	34.5625	34.5687	34.5718	34.5596	34.5701
	150m			34.5448	34.4776		34.5007	34.5087	34.4999		34.4958
	200m			34.4699	34.4266		34.4256	34.4484	34.4269		34.4358
	250m			34.4004	34.3764		34.361	34.3833	34.3553		34.3422
	300m			34.344				34.3086			
	400m			34.2892				34.2743			
	500m			34.2762				34.2796			
	600m							34.2948			
溶存酸素	0m										
(ml/L)	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD	0m	1.06	1.26	1.62	1.10	1.18	0.46	0.96	0.94	0.40	0.93
(mg/L)	10m	0.88		1.44	0.58	0.83		0.94		0.37	
	30m	0.80		1.17	0.66	0.66		0.82		0.67	
	50m	0.4		0.88	0.69	0.56		0.69		0.59	
	100m			0.48				0.1			
	250m			0.37				0.34			
NH_4-N	0m	0.80	1.153	0.32	2.501	0.62	0.121	3	0.082	0.178	0.815
	10m	0.204		0.45	0.24	0.472		0.579		0.046	
	30m	0.08		0.74	0.145	0.231		0.328		0.002	
	50m	0.097		*****	0.036	−0.035		0.042		0.077	
	100m			*****				−0.003			
	250m			0.05				0.017			
NO_2-N	0m	0.55	0.14	0.17	0.246	0.15	0.289	0.38	0.257	0.581	0.066
	10m	0.528		0.18	0.206	0.151		0.243		0.621	
	30m	0.62		0.26	0.197	0.206		0.286		0.451	
	50m	0.6		0.58	0.17	0.198		0.408		0.316	
	100m			0.05				0.065			
	250m			0.04				0.059			
NO_3-N	0m	2.40	0.549	0.76	8.503	1.362	1.559	1.654	1.371	3.366	0.572
	10m	2.677		0.73	1.094	1.14		1.526		3.322	
	30m	3.35		1.51	1.029	1.23		1.902		4.967	
	50m	5.512		5.03	6.617	6.729		5.148		6.894	
	100m			11.92				11.509			
	250m			17.03				22.212			
PO_4-P	0m	0.31	0.168	0.12	0.416	0.124	0.154	0.149	0.129	0.276	0.144
	10m	0.183		0.18	0.111	0.104		0.159		0.213	
	30m	0.21		0.64	0.106	0.103		0.248		0.266	
	50m	0.272		0.24	0.331	0.308		0.273		0.327	
	100m			0.60				0.539			
	250m			1.00				1.131			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和元年(2019)年7月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		1	2	2	2	2	1	1	1	1	1	8	8	8	8	1	1	1	1	1	2
開始時間		10:22	9:04	8:33	8:00	7:16	13:08	12:32	11:55	11:19	10:51	12:25	12:56	11:16	14:58	14:13	14:50	15:23	15:52	16:38	6:40
終了時間		10:27	9:12	8:41	8:08	7:37	13:31	12:40	12:03	11:27	10:54	12:27	12:57	11:24	15:04	14:23	15:01	15:32	16:00	16:46	6:48
天気		O	O		O			O		O		BC		C		O		O		O	R
気温(℃)		23.0	23.2		22.9			23.9		23.3		22.9		22.3		23.2		23.1		24.1	22.9
気圧(hPa)		1004.2	1008.2		1008.5			1003.9		1004.0		1008.5		1009.4		1003.9		1003.4		1002.9	1008.4
風向風力		SSW 1	SW 3		SW 4			SW 2		SSW 1		NE 2		NE 2		SSW 3		SSW 3		WSW 3	SSW 2
水色		6	6	6	5	6	5	5	6	6	6	12	14	8	12	4	4	4	6	6	6
透明度		15.0	11.0	13.0	13.0	15.0	20.0	28.0	14.0	14.0	15.0	8.0	3.5	12.0	3.5	24.0	16.0	15.0	12.0	11.0	14.0
波浪		NE 2	NNE 2		NNE 2			N 2		NE 1		WSW 2		SSW 2		NNE 2		NNE 2		N 2	NNE 2
うねり		NNE 2	NNE 1		NNE 1			N 2		NNE 2						NE 2		N 1		NNW 2	N 1
測点水深(m)		183	462	869	1224	1508	1491	1541	836	455	77	68	24	637	273	415	559	1016	524	761	1391
水温	0m	22.4	22.9	23.0	22.5	22.3	19.9	21.9	23.1	22.5	22.5	22.5	21.5	22.5	21.6	22.5	23.5	22.0	22.7	22.8	22.8
(℃)	10m	22.1669	22.3744	22.2691	22.4964	21.8607	19.5605	20.0183	22.4713	21.913	22.2684	21.9017	21.655	22.2814	21.3054	21.5582	23.2371	21.72	22.3554	22.0831	22.2416
	20m	21.5469	21.7552	21.7277	21.8373	21.4351	19.4989	18.3187	22.2411	20.9339	21.753	21.614	21.4139	21.8338	20.9313	21.1723	23.1571	21.7005	21.7443	21.7159	22.2304
	30m	19.544	20.0993	21.2886	21.2499	21.0602	17.8679	18.1903	22.1738	20.3492	20.376	21.5506		20.3339	20.6544	20.3926	22.3226	21.633	19.85	19.9773	21.0862
	50m	17.1268	18.2804	18.5778	18.8188	19.6694	16.8458	17.7785	20.2212	19.0291	16.4899	17.0413		16.6199	19.2186	17.2744	20.1131	19.4387	17.6749	17.6811	19.0439
	75m	15.9935	14.8621	16.2745	16.674	16.6301	15.0361	16.1194	17.6384	17.8853				15.9007	16.8459	16.2362	16.561	16.6404	15.9361	16.8862	16.5114
	100m	15.1347	14.0463	14.4427	15.3542	13.7068	14.6371	15.3949	16.5827	16.8803				14.8976	15.7238	15.6079	14.5978	15.2301	14.8138	15.6714	14.742
	150m	14.5549	12.9291	11.8632	11.9697	12.2334	14.2699	14.4004	15.6584	15.5155				13.3305	13.9321	13.9087	12.2805	13.1668	13.1071	13.4983	12.6436
	200m		12.1825	11.1658	10.2852	10.784	12.2125	12.8002	13.2737	12.1436				12.1474	12.8229	12.1571	11.1011	10.9996	11.898	11.3005	11.8659
	250m		10.3749	10.0276	9.5879	9.642	10.6059	11.8141	11.9076	11.5165				10.705		10.4615	9.701	9.2833	10.0613	10.1164	10.5876
	300m					8.8458	9.8523														
	400m					7.6129	8.3412														
	500m					6.6247	7.6467														
	600m					5.4029	5.2473														
塩分	0m	33.9478	33.8858	33.8345	33.8373	34.3239	34.484	34.3026	34.2061	34.0537	33.9843	33.5164	28.6485	33.2358	33.1916	34.2031	33.8489	34.4004	33.8179	33.8263	33.7237
	10m	34.1018	34.0998	33.9621	34.1803	34.4164	34.5257	34.4668	34.2481	34.0428	33.9997	33.5922	33.7139	33.2624	33.604	34.4565	33.9359	34.4101	34.0674	33.9591	33.8432
	20m	34.2069	34.3143	34.0311	34.2935	34.4117	34.53	34.5713	34.4237	34.3747	34.1714	33.77	33.7904	33.5759	33.9328	34.5136	34.2869	34.4337	34.4167	34.1172	34.0531
	30m	34.4641	34.3952	34.2143	34.4688	34.4395	34.5582	34.5739	34.4515	34.5624	34.3806	33.8262		34.1694	34.0371	34.5718	34.4299	34.461	34.4077	34.3487	34.2566
	50m	34.6028	34.5303	34.5105	34.4806	34.5829	34.5786	34.5849	34.5921	34.6527	34.5842	34.4874		34.544	34.381	34.652	34.5175	34.5894	34.5209	34.5229	34.4705
	75m	34.608	34.5572	34.5839	34.5879	34.6113	34.5813	34.6409	34.6593	34.6597				34.5648	34.5387	34.6461	34.5884	34.6446	34.582	34.5562	34.5746
	100m	34.5744	34.5244	34.5385	34.5573	34.5052	34.5675	34.6244	34.6617	34.6654				34.5471	34.5589	34.6276	34.5601	34.601	34.5435	34.557	34.5529
	150m	34.5553	34.4741	34.424	34.4275	34.4437	34.55	34.5613	34.6319	34.6003				34.4916	34.5135	34.5357	34.4439	34.4856	34.4817	34.4977	34.4617
	200m		34.4376	34.3907	34.3501	34.3662	34.4483	34.4734	34.4873	34.4366				34.4355	34.4637	34.4455	34.3824	34.383	34.4278	34.3966	34.4244
	250m		34.3681	34.3405	34.3172	34.3227	34.3683	34.424	34.4254	34.408				34.3662		34.365	34.3174	34.3068	34.3357	34.3399	34.3616
	300m					34.291	34.3275														
	400m					34.2688	34.2739														
	500m					34.2774	34.2525														
	600m					34.2874	34.289														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	1.04	0.56	1.12	0.88	0.82	0.59	0.67	0.94	0.88	1.01	0.72	1.92	0.88	1.73	0.82	0.91	0.78	0.80	0.82	1.06
(mg/L)	10m					0.78	0.50					0.77									
	30m					0.59	0.46					0.64									
	50m					0.56	0.53					0.43									
	100m					0.43	0.34														
	250m					0.29	0.34														
NH_4-N	0m	0.423	0.758	0.448	0.03	0.18	0.02	−0.038	−0.006	0.057	0.094	0.967	0.512	1.352	1.515	0.001	−0.002	0.095	0.614	−0.062	0.438
	10m					−0.03	−0.02					0.122									
	30m					0.13	−0.04					0.066									
	50m					−0.04	−0.06					−0.01									
	100m					0.04	−0.10														
	250m					−0.04	0.23														
NO_2-N	0m	0.07	0.103	0.06	0.033	0.09	0.06	0.06	0.051	0.059	0.054	0.158	0.258	0.157	0.43	0.072	0.046	0.133	0.053	0.032	0.055
	10m					0.11	0.07					0.18									
	30m					0.21	0.06					0.18									
	50m					0.18	0.04					0.162									
	100m					0.05	0.02														
	250m					0.04	0.05														
NO_3-N	0m	0.329	0.409	0.29	0.168	0.87	4.84	2.689	0.369	0.258	0.257	0.752	6.502	1.262	1.517	0.785	0.151	1.623	0.206	0.087	0.255
	10m					1.46	5.47					0.87									
	30m					3.14	8.55					0.959									
	50m					5.26	11.22					8.332									
	100m					15.34	10.40														
	250m					26.67	23.79														
PO_4-P	0m	0.131	0.142	0.12	0.089	0.14	0.25	0.19	0.097	0.102	0.17	0.13	0.171	0.138	0.225	0.111	0.08	0.136	0.104	0.072	0.122
	10m					0.15	0.28					0.107									
	30m					0.19	0.44					0.139									
	50m					0.27	0.58					0.422									
	100m					0.79	0.72														
	250m					1.47	1.09														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和元年(2019)年8月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		2	7	1	7	7	7	7	7	7	7	7
開始時間		9:08	8:40	8:41	11:26	11:47	11:00	10:36	10:17	9:55	9:30	9:04
終了時間		9:10	8:43	9:00	11:27	11:48	11:01	10:38	10:19	9:57	9:31	9:08
天気			BC	BC		BC	BC				BC	
気温(℃)			28.4	27.5		29.4	30.2				28.3	
気圧(hPa)			1011.9	1013.1		1010.3	1010.8				1011.8	
風向風力			SW 2	WSW 2		S 2	SSW 2				SSW 2	
水色		11	12	8	18	17	16	14	14	15	13	13
透明度		11.0	4.0	10.0	2.0	2.5	2.5	2.5	2.5	3.5	3.0	4.0
波浪			NE 2	NE 2		N 2	NNE 2				NNE 2	
うねり			NE 1	E 1								
測点水深(m)		80	116	687	32.5	27.7	29.4	42.3	45.8	57.9	40	86
水温 (℃)	0m	25.6	26.1	25.2	28.1	28.3	27.5	27.8	26.8	26.0	26.1	25.6
	10m	25.1371	25.3681	23.8897	23.2647	23.5499	22.8798	23.14	24.6531	24.1751	25.1843	18:33
	20m	21.0598	24.0197	22.5202	21.05	21.1336	21.4079	20.4429	21.3187	22.6454	22.2149	23.1904
	30m	17.6628	22.1548	21.4978	19.2697			19.4712	19.4216	21.0963	21.0563	2:55
	50m	17.498	18.7292	18.5833				19.18(40m)	19.07(40m)	18.9557		18.4216
	75m			16.9779								23:52
	100m			16.2378								
	150m			14.4799								
	200m			12.4667								
	250m			11.2724								
	300m			9.8244								
	400m			7.9908								
	500m			6.3562								
	600m			4.6066								
塩分	0m	33.6083	32.2425	33.6605	29.1854	29.8096	30.0782	30.3077	31.2822	31.7621	31.8063	31.9923
	10m	33.8663	33.7723	33.9531	31.9476	31.9663	32.3862	32.4581	32.3278	32.7111	32.499	6:32
	20m	34.2249	34.0107	34.106	33.2493	33.0117	33.164	33.5848	33.3443	33.8362	33.6937	33.9822
	30m	34.5102	34.1907	34.2329	33.8238			33.8111	33.8548	33.9467	34.0299	4:56
	50m	34.5511	34.4138	34.5693				33.92(40m)	33.99(40m)	34.0426		34.2958
	75m			34.5889								12:48
	100m			34.5884								
	150m			34.5404								
	200m			34.4635								
	250m			34.407								
	300m			34.3773								
	400m			34.368								
	500m			34.3659								
	600m			34.3652								
溶存酸素 (ml/L)	0m											
	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD (mg/L)	0m	0.69	1.94	0.67	3.70	3.14	2.72	2.77	3.63	3.44	2.10	3.30
	10m	0.34	1.66	0.54	1.22			1.58	1.97	2.10	3.22	2.88
	30m	0.29	0.94	0.29	0.53			0.75	0.56	1.15	1.18	1.15
	50m	0.21	0.64	0.21				0.51(40m)	0.77(40m)	0.70		0.69
	100m			0.21								
	250m			0.16								
NH_4-N	0m	0.046	0.63	0.81	0.40	0.596	0.275	1.49	0.33	0.18	0.28	0.38
	10m	0.562	0.75	−0.21	0.03			1.23	1.28	0.43	0.35	0.45
	30m	2.927	0.29	−0.21	0.48			3.04	0.77	0.25	1.38	0.13
	50m	1.961	0.22	3.28				3.70(40m)	*****(40m)	−0.04		0.54
	100m			6.89								
	250m			−0.01								
NO_2-N	0m	0.022	0.04	0.03	0.08	0.085	0.059	0.08	0.07	0.08	0.04	0.04
	10m	0.032	0.02	0.01	0.73			1.20	0.66	0.25	0.07	0.10
	30m	0.154	0.08	0.14	0.22			0.46	0.65	0.68	0.46	0.11
	50m	0.168	0.38	0.09				0.81(40m)	0.75(40m)	0.96		0.61
	100m			0.10								
	250m			0.02								
NO_3-N	0m	0.033	0.10	0.18	0.12	0.143	0.133	0.20	0.13	0.15	0.09	0.09
	10m	0.036	0.04	0.02	13.89			7.00	4.14	1.41	0.11	0.22
	30m	6.891	0.64	2.69	17.80			12.74	13.21	6.55	4.57	1.03
	50m	7.988	6.89	3.50				14.02(40m)	13.57(40m)	12.13		9.05
	100m			7.37								
	250m			21.43								
PO_4-P	0m	0.139	0.22	0.14	0.33	0.331	0.347	0.34	0.27	0.27	0.22	0.22
	10m	0.105	0.11	0.11	0.88			0.48	0.37	0.28	0.19	0.16
	30m	0.351	0.17	0.18	1.44			1.06	0.90	0.41	0.29	0.15
	50m	0.333	0.34	0.31				1.17(40m)	0.79(40m)	0.65		0.43
	100m			0.42								
	250m			0.96								

沿岸定線調査（令和元年(2019)年8月

測点		1	2	3	5	6	7	9	10	12	14
観測日		5	5	5	5	5	5	5	5	5	1
開始時間		14:44	14:12	13:27	11:46	10:55	10:24	9:37	9:02	8:31	9:32
終了時間		14:47	14:15	13:42	11:54	10:59	10:31	9:55	9:09	8:35	9:39
天気			BC		BC	BC		BC		BC	BC
気温(℃)			28.8		29.8	29.4		28.2		28.1	27.5
気圧(hPa)			1011.5		1012.4	1012.9		1013.1		1013.0	1013.1
風向風力			SW 2		SSW 1	SE 1		NE 2		NE 2	WSW 2
水色		11	12	8	13	9	12	6	7	12	9
透明度		7.0	8.0	11.0	8.0	13.0	5.0	17.0	17.0	6.0	9.5
波浪			NNE 1		S 1	SW 1		SW 1		SE 1	NE 2
うねり			N 2		NW 1	NW 1		NW 2		NW 2	E 1
測点水深(m)		63	169	601	303	165	1254	685	989	149	589
水温 (℃)	0m	26.5	26.4	27.4	26.4	25.9	27.0	26.6	27.0	26.3	24.9
	10m	24.3624	25.8097	25.074	24.4609	24.8882	24.8363	25.0802	26.1064	26.0211	23.8216
	20m	22.602	23.8327	25.0217	22.0416	22.9809	24.1207	23.8055	22.9669	25.5219	22.1781
	30m	21.8122	22.8079	21.1461	20.6419	21.5453	23.6136	21.6817	21.1905	23.8176	19.5451
	50m	19.0061	18.853	19.0632	19.9826	20.1441	19.1428	19.2262	19.5312	19.7445	16.7479
	75m		17.7941	17.4644	18.9705	16.6401	15.9144	16.8662	16.9854	18.2816	15.7034
	100m		16.8307	16.8813	17.3582	15.9962	15.6388	15.2726	15.4994	17.0989	14.9447
	150m			14.8051	15.0798		13.967	12.2034	12.6086		13.6281
	200m			12.8991	13.5867		12.8651	10.6408	11.3045		11.558
	250m			11.9837	12.4778		11.1946	10.2237	9.943		9.9915
	300m			9.8852				9.6286			
	400m			7.194				7.4525			
	500m			5.5075				5.9438			
	600m							5.1148			
塩分	0m	33.3494	33.2456	33.5615	33.2388	33.7557	33.3037	33.6211	33.5631	33.142	33.8751
	10m	33.6722	33.3457	33.661	33.8216	33.7317	33.7454	33.7265	33.5631	33.2332	33.908
	20m	34.0017	33.8292	33.7393	34.1409	33.9647	33.8657	33.8766	33.9672	33.8298	34.0775
	30m	34.1491	34.061	34.2732	34.3116	34.2637	33.9802	34.1475	34.2254	34.1606	34.4818
	50m	34.464	34.5251	34.4951	34.3813	34.3828	34.4251	34.4483	34.4146	34.5423	34.5253
	75m		34.5525	34.5606	34.4188	34.5757	34.5783	34.5697	34.5572	34.5689	34.5459
	100m		34.5584	34.5711	34.4428	34.5777	34.5931	34.5507	34.5667	34.5803	34.5474
	150m			34.5442	34.5542		34.5321	34.4441	34.4615		34.5051
	200m			34.4751	34.5012		34.4679	34.3723	34.3991		34.4162
	250m			34.406	34.4512		34.3979	34.357	34.3431		34.3602
	300m			34.342				34.3327			
	400m			34.2821				34.279			
	500m			34.305				34.2984			
	600m							34.3096			
溶存酸素 (ml/L)	0m										
	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD (mg/L)	0m	0.83	0.93	0.56	0.56	0.80	0.21	0.38	0.37	0.98	0.74
	10m	0.64		0.51	0.46	0.85		0.24		0.46	
	30m	0.34		0.53	0.37	0.50		0.30		0.43	
	50m	0.29		0.43	0.24	0.26		0.1		0.21	
	100m			0.27				0.27			
	250m			0.22				0.05			
NH_4-N	0m	2.997	−0.013	−0.069	0.52	0.09	−0.023	−0.04	0.322	0.892	−0.121
	10m	−0.129		0.682	−0.178	0.157		−0.105		−0.009	
	30m	0.383		0.076	0.043	−0.05		0.00		−0.139	
	50m	0.502		0	0.056	0.134		−0.113		0.988	
	100m			−0.174				−0.12			
	250m			−0.194				−0.141			
NO_2-N	0m	0.147	0.033	0.041	0.106	0.04	0.022	0.02	0.03	0.057	0.014
	10m	0.028		0.068	0.013	0.038		0.015		0.016	
	30m	0.128		0.151	0.209	0.11		0.04		0.051	
	50m	0.29		0.222	0.249	0.217		0.303		0.222	
	100m			0.128				0.05			
	250m			0.031				0.029			
NO_3-N	0m	0.303	0.09	0.075	0.423	0.15	0.162	0.05	0.224	0.285	0.046
	10m	0.07		0.101	0.013	0.06		0.01		0.025	
	30m	1.805		2.523	3.238	1.48		0.13		0.312	
	50m	5.892		5.527	4.324	4.158		6.02		3.756	
	100m			9.26				12.34			
	250m			20.372				24.384			
PO_4-P	0m	0.158	0.153	0.121	0.159	0.12	0.155	0.10	0.115	0.181	0.118
	10m	0.133		0.11	0.13	0.116		0.109		0.106	
	30m	0.209		0.178	0.232	0.25		0.17		0.144	
	50m	0.284		0.271	0.256	0.28		0.245		0.284	
	100m			0.386				0.49			
	250m			0.894				0.987			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和元年(2019)年8月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		1	2	2	2	2	1	1	1	1	1	5	5	5	5	1	1	1	1	1	2
開始時間		9:59	8:43	8:13	7:43	7:06	13:05	12:30	11:45	10:58	10:28	12:28	13:02	11:18	15:09	14:15	14:54	15:29	15:59	16:46	6:33
終了時間		10:05	8:51	8:21	7:54	7:27	13:29	12:38	11:54	11:08	10:30	12:30	13:03	11:26	15:16	14:27	15:02	15:37	16:06	16:53	6:41
天気			BC		BC		BC	BC	BC		BC		BC		BC		BC		BC		BC
気温(℃)			28.4		27.6		28.2	28.3	28.7		27.4		29.4		28.3		28.7		27.6		26.4
気圧(hPa)			1012.8		1012.6		1011.9	1012.3	1012.6		1013.1		1011.9		1011.5		1011.4		1011.0		1012.4
風向風力			SW 2		WSW 1		W 3	S 2	SSW 3		SSW 2		S 2		SSW 2		SSW 2		S 4		S 2
水色		10	9	9	7	5	8	5	5	7	10	13	14	8	11	3	3	7	11	10	8
透明度		7.5	13.0	12.0	17.0	22.0	16.0	21.0	19.0	15.0	9.0	7.0	6.0	15.0	7.0	24.0	24.0	12.0	10.0	12.0	12.0
波浪			N 2		NNE 1		E 2	N 1	NE 2		NE 2		E 1		NNE 1		NNE 2		N 2		NNW 1
うねり									WNW 1		E 1		NW 1		N 3						
測点水深(m)		153	409	884	1227	1493	1517	1547	847	293	79	72	24.2	602	247	376	785	1014	531	757	1391
水温	0m	24.8	25.6	25.5	26.5	26.6	25.7	23.0	28.1	26.0	26.0	27.0	27.0	26.8	26.0	28.0	28.1	26.7	25.8	25.2	25.7
(℃)	10m	24.0109	24.6449	24.6623	25.635	25.3527	23.1564	22.2554	26.7639	25.3943	24.5505	25.088	25.2879	24.7647	24.9661	26.2176	26.6632	23.0481	24.5864	24.2022	24.868
	20m	21.8128	23.5718	23.7369	23.5795	24.3121	19.6506	22.0514	25.4752	24.7997	23.0667	24.2539	24.3877	22.6797	23.2746	23.3231	25.9058	22.0458	23.0677	22.6738	23.4154
	30m	20.2356	22.4474	21.8676	22.252	23.1165	18.3055	19.6591	24.9904	21.0724	21.1939	22.8382		21.2458	20.837	20.6782	24.6301	21.8122	21.4471	21.2488	22.3165
	50m	16.1627	16.3428	19.6065	19.5548	18.8365	15.7501	18.5402	22.2167	19.8745	17.4942	18.9544		19.8536	18.7142	18.0569	22.359	19.8013	19.5999	18.9678	19.1851
	75m	15.2748	15.6038	15.5121	16.3959	16.2098	15.2622	17.5141	18.5485	19.0433				18.2037	17.6173	16.8787	18.6283	18.2708	16.5588	15.9402	15.9313
	100m	14.569	14.7463	14.3169	14.8765	14.9703	15.053	15.7727	16.3959	14.781				17.1617	17.0142	15.4948	14.7769	14.3408	14.334	14.5739	14.4416
	150m	13.0397	13.4485	12.4956	12.2172	12.8976	12.8768	14.601	14.3396	13.5433				15.051	13.1452	14.4626	13.1147	13.0766	12.2604	13.2645	12.9044
	200m		12.0258	11.3108	10.8804	10.9166	11.346	13.1946	12.5733	11.7845				13.0107	12.4875	10.6386	11.8248	10.393	11.0719	12.0358	11.7083
	250m		10.8498	10.1339	9.8841	9.6571	11.2521	11.2866	10.3545	10.3439				11.6391			9.9605	9.4797	10.0403	10.3461	10.4147
	300m					8.6421	9.4771														
	400m					7.4888	8.2481														
	500m						6.9327														
	600m						4.9211														
塩分	0m	33.7703	33.8551	33.7701	33.6706	33.6982	34.2243	34.1913	33.6358	33.938	33.4376	33.5501	33.4118	33.7692	33.4311	33.76	33.5456	33.8701	33.8277	33.4863	33.4407
	10m	33.7965	33.8889	33.917	33.853	33.9913	34.2541	34.2372	33.8668	33.9488	33.6629	33.7624	33.7586	33.8237	33.433	33.944	33.9295	34.0268	33.8439	33.6113	33.6114
	20m	34.1136	34.036	34.0198	34.1472	33.9436	34.499	34.2924	34.0701	33.9546	33.9281	33.8907	33.8592	34.0698	33.8478	34.3743	33.9846	34.1184	34.154	33.947	33.8796
	30m	34.2967	34.1607	34.2255	34.2246	34.1932	34.5694	34.4803	34.1291	34.2162	34.173	34.0609		34.3304	34.2966	34.5734	34.1185	34.1727	34.1102	34.1483	34.0418
	50m	34.5666	34.5828	34.5105	34.3876	34.498	34.5985	34.5628	34.4703	34.3279	34.4928	34.4344		34.4718	34.5222	34.6631	34.4812	34.3024	34.5565	34.6323	34.4169
	75m	34.5534	34.5604	34.5723	34.5799	34.5716	34.5827	34.6729	34.6522	34.4628				34.5991	34.5632	34.6719	34.6434	34.6035	34.6049	34.6262	34.5679
	100m	34.5487	34.5385	34.5437	34.5539	34.5589	34.5713	34.623	34.5561	34.5277				34.5506	34.5961	34.6188	34.5666	34.5223	34.5522	34.5407	34.5382
	150m	34.4836	34.4988	34.4559	34.445	34.4771	34.4679	34.5658	34.5407	34.5126				34.553	34.4846	34.5674	34.4833	34.4818	34.4432	34.4918	34.4752
	200m		34.44	34.4062	34.3833	34.3839	34.3987	34.4927	34.4597	34.4196				34.4735	34.4583	34.3807	34.4129	34.3535	34.3915	34.4315	34.4158
	250m		34.3823	34.3528	34.3429	34.3292	34.3929	34.3872	34.3605	34.3574				34.4123			34.3361	34.3104	34.3484	34.359	34.3615
	300m					34.2932	34.3199														
	400m					34.2668	34.2776														
	500m						34.2772														
	600m						34.3179														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	0.61	0.54	0.66	0.42	0.38	0.40	0.32	0.35	0.24	0.58	1.07	0.66	0.53	0.72	0.43	0.37	0.32	0.53	0.43	0.38
(mg/L)	10m					0.42	0.37					0.42									
	30m					0.27	0.18					0.40									
	50m					0.21	0.18					0.064									
	100m					0.10	0.14														
	250m					0.05	0.03														
NH_4-N	0m	−0.186	0.07	0.345	0.041	4.97	1.39	0.153	−0.15	−0.169	0.031	−0.01	0.14	−0.192	0.411	−0.223	−0.176	−0.148	−0.026	−0.003	−0.143
	10m					−0.06	2.41					0.923									
	30m					−0.06	−0.22					−0.05									
	50m					−0.02	−0.24					−0.046									
	100m					−0.03	−0.24														
	250m					0.08	−0.22														
NO_2-N	0m	0.016	0.016	0.02	0.022	0.10	0.05	0.016	0.004	0.018	0.018	0.03	0.245	0.022	0.04	0.011	0.01	0.014	0.017	0.019	0.015
	10m					0.03	0.09					0.082									
	30m					0.05	0.08					0.06									
	50m					0.18	0.03					0.305									
	100m					0.05	0.03														
	250m					0.04	0.01														
NO_3-N	0m	0.041	0.025	0.05	0.155	0.27	0.48	3.428	0.021	0.106	0.057	0.12	2.133	0.119	0.094	0.053	0.05	0.073	0.033	0.041	0.029
	10m					0.44	1.32					0.118									
	30m					1.16	5.23					0.73									
	50m					5.84	10.09					5.26									
	100m					12.13	12.48														
	250m					25.97	21.73														
PO_4-P	0m	0.123	0.105	0.113	0.117	0.12	0.12	0.19	0.092	0.104	0.127	0.14	0.164	0.115	0.147	0.104	0.097	0.098	0.096	0.097	0.103
	10m					0.12	0.14					0.111									
	30m					0.13	0.39					0.14									
	50m					0.27	0.66					0.244									
	100m					0.50	0.75														
	250m					1.12	0.91														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和元年(2019)年9月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		3	5	2	5	5	5	5	5	5	5	5
開始時間		9:14	9:00	9:00	12:00	12:19	11:31	11:05	10:41	10:14	9:46	9:26
終了時間		9:16	9:02	9:19	12:02	12:20	11:32	11:08	10:42	10:17	9:48	9:29
天気			BC	BC					BC		BC	
気温(℃)			24.6	27.3					25.6		24.8	
気圧(hPa)			1019.8	1018.1					1019.4		1019.6	
風向風力			NNE 4	S 1					NNE 1		N 2	
水色		8	16	8	16	19	16	17	17	18	17	16
透明度		13.5	4.0	14.0	4.0	1.5	4.0	3.0	3.0	2.0	3.0	4.5
波浪			SW 2	ESE 1					SSW 1		SW 2	
うねり												
測点水深(m)		81	92	681	32.5	28.5	30.6	42.1	50.8	58.6	36	85
水温 (℃)	0m	25.8	25.4	25.6	27.0	27.1	26.7	27.0	26.9	26.9	25.9	25.5
	10m	25.2497	24.5043	24.3241	25.4127	26.3535	26.0418	26.1926	26.2024	26.2816	24.7147	4:54
	20m	22.8548	22.6614	22.6571	20.7269	19.149	18.7392	19.1668	21.6726	20.9385	20.8282	22.3392
	30m	20.1724	20.4204	19.2788	18.7276			17.5086	19.0759	19.0133	17.8595	19:30
	50m	16.9437	16.2918	16.748				17.23(40m)	16.43(40m)	16.3819		17.2843
	75m			16.0343								13:56
	100m			14.7149								
	150m			13.621								
	200m			11.8696								
	250m			10.0976								
	300m			9.2295								
	400m			7.5199								
	500m			6.3321								
	600m			5.1591								
塩分	0m	33.3377	30.6407	33.4768	28.4691	26.986	27.8018	28.4658	28.6614	28.6346	30.3422	31.0891
	10m	33.4459	31.7027	33.7268	30.289	28.9752	29.6135	29.8503	29.8026	29.8702	31.5637	3:02
	20m	34.0501	33.8696	33.9555	33.2754	33.781	33.8732	33.6664	33.7809	33.8423	33.6169	33.1103
	30m	34.3864	34.1917	34.338	33.8917			34.2116	33.9642	34.2293	34.266	1:17
	50m	34.5912	34.527	34.5674				34.29(40m)	34.36(40m)	34.4035		34.4875
	75m			34.5883								12:26
	100m			34.5483								
	150m			34.5081								
	200m			34.4365								
	250m			34.3744								
	300m			34.3606								
	400m			34.3553								
	500m			34.3589								
	600m			34.3636								
溶存酸素 (ml/L)	0m											
	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD (mg/L)	0m	0.90	0.98	1.41	1.20	0.86	1.81	2.70	2.99	2.29	1.55	1.82
	10m	1.14	0.96	1.70	1.07			1.10	1.23	1.30	1.01	1.06
	30m	0.62	0.35	1.01	0.11			0.13	0.24	0.46	0.38	0.80
	50m	0.58	0.48	0.72				0.11(40m)	0.13(40m)	0.26		0.42
	100m			0.70								
	250m			0.53								
NH_4-N	0m	−0.719	1.12	0.01	0.91	0.827	1.245	0.95	1.23	1.33	1.03	1.45
	10m	0.165	1.51	−0.11	0.35			1.67	1.40	1.48	1.14	1.17
	30m	−0.172	0.95	−0.11	0.10			0.78	0.41	1.18	0.63	0.86
	50m	−0.24	0.78	−0.15				2.36(40m)	0.39(40m)	0.58		0.76
	100m			−0.17								
	250m			−0.13								
NO_2-N	0m	0.138	0.55	0.02	4.94	2.923	4.47	3.26	2.49	0.61	0.64	1.45
	10m	0.031	0.72	0.02	3.67			3.28	2.35	2.39	0.46	1.17
	30m	0.428	0.42	0.49	1.12			0.93	0.99	0.59	0.63	0.86
	50m	0.113	0.12	0.14				0.99(40m)	0.63(40m)	0.41		0.76
	100m			0.04								
	250m			0.03								
NO_3-N	0m	0.488	1.60	0.10	12.47	16.1	14.317	10.07	7.90	1.73	1.91	0.30
	10m	0.033	2.75	0.02	11.99			9.01	6.81	6.18	2.00	0.61
	30m	3.366	5.91	7.01	12.03			12.06	9.60	8.28	9.80	4.58
	50m	8.232	9.35	9.29				12.07(40m)	11.94(40m)	11.69		9.45
	100m			12.66								
	250m			24.62								
PO_4-P	0m	0.11	0.34	0.11	0.55	0.704	0.63	0.61	0.52	0.43	0.43	0.29
	10m	0.065	0.41	0.09	0.63			0.54	0.81	0.56	0.41	0.37
	30m	0.195	0.27	0.30	0.67			0.90	0.50	0.59	0.70	0.26
	50m	0.372	0.42	0.42				0.77(40m)	0.81(40m)	0.82		0.36
	100m			0.45								
	250m			1.15								

沿岸定線調査（令和元年(2019)年9月

測点		1	2	3	5	6	7	9	10	12	14
観測日		4	4	4	4	4	4	4	4	4	2
開始時間		14:24	13:51	13:04	11:24	10:26	9:55	9:06	8:34	8:03	9:54
終了時間		14:27	13:54	13:20	11:32	10:31	10:02	9:26	8:41	8:09	10:02
天気			BC		C	C		BC		BC	
気温(℃)			25.7		25.5	25.8		25.8		25.1	
気圧(hPa)			1017.3		1018.5	1019.0		1019.0		1018.9	
風向風力			NE 3		E 3	NE 2		N 3		NE 2	
水色		15	14	14	12	11	12	9	9	13	9
透明度		7.0	7.0	7.5	6.0	12.0	11.0	15.0	18.0	10.0	13.0
波浪			W 2		SW 2	SW 2		S 2		SW 2	
うねり					SW 1	SW 1		S 1		SSE 1	
測点水深(m)		66	151	597	317	292	1254	686	976	155	609
水温 (℃)	0m	25.1	25.5	26.0	25.9	25.4	25.9	26.3	26.0	25.6	26.0
	10m	23.6757	25.0526	25.6144	25.7447	25.1907	25.2122	26.0341	25.6825	25.0143	24.4422
	20m	22.0622	24.8559	24.4625	23.7893	24.9796	22.1229	24.3795	24.1995	22.2719	20.2941
	30m	20.9894	23.7765	22.3909	23.0976	22.5371	20.2127	20.2198	20.1878	20.1866	18.907
	50m	18.3733	17.8326	17.1937	17.7806	18.4227	17.012	18.3823	18.0629	18.5222	16.9989
	75m		16.6478	16.4019	16.2329	16.2441	15.6959	15.5078	15.8473	16.2045	14.7695
	100m		14.9375	15.2539	15.0948	15.0879	14.8435	14.572	14.0553	14.3192	13.954
	150m			13.1845	13.2124		13.5895	11.771	10.8354		12.7081
	200m			11.6617	11.1414		11.6018	10.6923	9.9033		11.2764
	250m			9.9287	10.279		9.8728	9.4439	9.3291		9.8303
	300m			8.9272				8.0229			
	400m			7.0902				6.715			
	500m			5.8787				6.0676			
	600m							4.8338			
塩分	0m	32.9967	32.8046	32.9625	32.6738	33.5363	33.2143	33.3388	33.4558	32.3669	33.1609
	10m	33.345	32.7987	33.1838	33.0705	33.5444	33.4979	33.3522	33.4595	33.4997	33.6422
	20m	33.7917	32.7713	33.3686	33.6636	33.5578	34.0418	33.7204	33.7911	34.1178	34.4
	30m	34.1217	33.6617	33.9276	33.9068	34.0377	34.3693	34.4041	34.4021	34.3932	34.5391
	50m	34.4858	34.5323	34.5725	34.5323	34.5294	34.5747	34.5598	34.57	34.5387	34.5749
	75m		34.5782	34.592	34.5761	34.5956	34.5814	34.5794	34.5794	34.5976	34.5473
	100m		34.5511	34.5725	34.5439	34.5637	34.5584	34.5401	34.5271	34.535	34.5247
	150m			34.4894	34.486		34.5055	34.42	34.3789		34.4702
	200m			34.4168	34.3923		34.4139	34.3747	34.3415		34.4092
	250m			34.3397	34.3539		34.3354	34.3165	34.319		34.3488
	300m			34.3091				34.2805			
	400m			34.2825				34.2673			
	500m			34.2984				34.2901			
	600m							34.3171			
溶存酸素 (ml/L)	0m										
	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD (mg/L)	0m	1.54	1.57	1.60	1.33	0.93	0.99	0.75	0.88	0.93	1.90
	10m	1.17		1.34	1.25			0.72			
	30m	0.80		0.75	0.96			0.59			
	50m	0.43		0.46	0.56			0.5			
	100m			0.43				0.38			
	250m			0.29				0.27			
NH_4-N	0m	0.90	1.002	0.661	0.532	−0.137	0.167	0.005	0.008	0.399	−0.069
	10m	1.238		0.856	0.107			−0.204			
	30m	0.81		0.58	0.122			−0.184			
	50m	1.147		0.431	0.144			−0.218			
	100m			0.465				−0.19			
	250m			0.542				−0.125			
NO_2-N	0m	0.11	0.134	0.04	0.178	0.008	0.023	0.011	0.023	0.233	0.01
	10m	0.326		0.063	0.018			0.008			
	30m	0.47		0.49	0.071			0.521			
	50m	0.438		0.141	0.251			0.248			
	100m			0.041				0.034			
	250m			0.018				0.029			
NO_3-N	0m	0.31	0.34	0.086	12.823	0.023	0.101	0.019	0.042	0.847	0.092
	10m	1.493		0.176	0.115			−0.005			
	30m	3.56		4.264	0.213			3.117			
	50m	5.745		8.287	7.344			6.485			
	100m			12.648				13.448			
	250m			24.188				24.778			
PO_4-P	0m	0.16	0.168	0.134	0.431	0.079	0.137	0.073	0.07	0.249	0.086
	10m	0.232		0.128	0.081			0.066			
	30m	0.18		0.202	0.102			0.259			
	50m	0.232		0.353	0.29			0.32			
	100m			0.548				0.6			
	250m			1.049				1.167			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和元年(2019)年9月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		2	3	3	3	3	2	2	2	2	2	4	4	4	4	2	2	2	2	2	3
開始時間		10:21	8:51	8:19	7:47	7:05	13:29	12:49	12:02	11:14	10:49	12:05	12:41	10:51	14:48	14:38	15:17	15:51	16:23	17:06	6:32
終了時間		10:26	8:58	8:26	7:54	7:26	13:45	12:56	12:14	11:25	10:51	12:08	12:41	10:59	14:54	14:47	15:27	16:02	16:31	17:14	6:39
天気			BC		BC		BC	BC		BC	BC		C		BC		BC		BC		BC
気温(℃)			26.0		26.0		29.2	28.3		27.9	27.8		26.6		26.4		28.0		27.3		26.4
気圧(hPa)			1017.0		1016.9		1016.2	1016.7		1017.3	1017.3		1017.7		1017.6		1015.9		1016.0		1016.6
風向風力			SE 1		NE 2		SSW 5	S 5		SSW 4	SW 3		N 2		NE 2		SSW 6		SSW 5		N 1
水色		7	8	9	10	6	4	4	6	8	8	13	15	12	15	4	5	9	11	11	8
透明度		18.0	14.0	15.0	10.0	17.0	23.0	23.0	20.0	13.0	14.0	6.0	5.0	10.0	9.0	19.0	18.0	12.0	11.0	10.0	12.0
波浪			S 1		SW 1		ENE 2	N 3		NE 2	NE 2		W 1		W 2		NE 3		NE 3		NNE 1
うねり					NW 1		ENE 1	NNE 1									NE 1		N 1		
測点水深(m)		189	386	865	1232	1504	1499	1552	837	216	72	72	25.5	603	298	368	643	1014	533	741	1388
水温	0m	25.6	26.2	26.0	25.6	26.0	27.2	27.3	27.6	26.5	26.0	26.0	26.0	25.3	25.0	28.1	27.4	25.0	24.5	25.6	25.1
(℃)	10m	23.1796	23.7344	25.5219	23.7294	24.0756	23.2671	27.0911	26.7002	24.8159	24.8166	24.9829	25.2107	25.5332	22.9225	27.8485	26.8416	24.4781	24.1102	24.9857	24.4638
	20m	19.5637	21.1144	22.801	20.9791	23.8973	21.2489	26.512	24.0535	23.308	22.6916	23.7491	22.6169	24.3648	22.094	26.0779	26.1316	21.6521	21.2054	21.4158	22.9851
	30m	17.8097	19.6149	20.762	19.6199	21.1328	19.4951	24.1894	20.607	20.237	20.1456	20.6737		21.5848	19.1943	21.3714	23.5163	21.3863	19.3254	18.8285	20.3426
	50m	15.9563	18.0855	17.8018	17.8304	17.8697	19.2414	20.5035	18.3526	17.7961	18.0557	17.5767		18.5967	17.7361	19.3246	18.7756	18.3259	16.0962	16.3616	16.623
	75m	14.7317	16.1827	16.7267	16.0541	15.9972	16.57	16.2626	16.2945	15.5518				16.1845	16.4612	16.854	16.9909	16.1473	15.3361	14.8158	15.1216
	100m	13.9265	14.8309	14.7408	14.3564	14.7206	15.0255	15.4385	14.5921	14.1591				14.7819	15.0578	14.5663	15.5263	14.0764	13.9816	13.8519	13.509
	150m	12.9045	11.7568	11.2379	11.0675	12.6409	12.8365	12.7848	12.5865	12.7132				12.9383	13.8682	13.2079	12.9364	12.3474	12.5655	12.3738	11.8592
	200m		10.1663	10.0405	9.7739	10.7249	12.4451	11.6563	10.7472					11.3479	12.1502	10.852	10.5054	10.366	10.7818	11.2496	10.7838
	250m		9.1726	8.4734	8.962	9.3493	10.5964	10.5507	8.9176					9.6642		9.4734	8.9515	9.3894	9.1681	9.7456	9.3097
	300m					8.007															
	400m					6.8787															
	500m					6.2352															
	600m					5.1341															
塩分	0m	33.4114	33.3983	33.3382	33.6321	33.7513	33.7375	33.7819	33.6157	33.6348	33.3342	32.5953	31.8832	32.8811	33.021	33.6971	33.4721	33.9238	33.8167	33.321	33.6684
	10m	33.953	33.8698	33.3752	33.8888	33.9172	34.2765	33.7968	33.8609	33.8512	33.5359	33.2453	33.3427	33.4374	33.57	33.7149	33.5718	33.9868	33.8561	33.4499	33.7583
	20m	34.4703	34.3462	34.0854	34.2912	33.9564	34.4063	33.8965	34.0138	33.9834	34.0381	33.6748	33.8764	33.5955	33.8027	34.0311	33.9816	34.3868	34.2475	34.275	34.0778
	30m	34.5704	34.4638	34.3616	34.4593	34.3855	34.5046	34.0956	34.3459	34.3273	34.4068	34.1683		34.1859	34.4722	34.4814	34.2996	34.386	34.4326	34.4762	34.3645
	50m	34.5724	34.5502	34.5874	34.5588	34.5604	34.5277	34.3491	34.6366	34.6268	34.5134	34.5349		34.5233	34.5538	34.6126	34.6485	34.5328	34.5855	34.5739	34.5709
	75m	34.5423	34.5822	34.588	34.5944	34.5773	34.605	34.6013	34.6185	34.5745				34.5835	34.5699	34.6588	34.6648	34.6146	34.5687	34.5549	34.5623
	100m	34.5153	34.5493	34.5347	34.5374	34.5566	34.5718	34.5596	34.5606	34.5311				34.5473	34.557	34.5625	34.6096	34.5243	34.5217	34.5194	34.4983
	150m	34.4763	34.4101	34.3961	34.3878	34.4604	34.4759	34.4739	34.4634	34.4673				34.4794	34.511	34.4949	34.4732	34.4472	34.4606	34.4515	34.4268
	200m		34.3478	34.3463	34.3355	34.3757	34.4539	34.4186	34.3779					34.398	34.4416	34.3796	34.3619	34.3577	34.3737	34.3976	34.3768
	250m		34.3187	34.2906	34.3086	34.3204	34.3691	34.3681	34.3064					34.3311		34.3291	34.3047	34.3216	34.2996	34.3352	34.3145
	300m					34.2828															
	400m					34.2665															
	500m					34.2876															
	600m					34.3039															
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	1.31	1.06	1.15	1.06	0.98	0.96	1.12	1.06	1.14	1.46	1.18	1.49	1.23	1.34	1.01	0.99	1.07	1.58	1.33	1.06
(mg/L	10m					0.70	0.85					1.07									
	30m					0.74	0.78					0.74									
	50m					0.50	0.58					0.5									
	100m					0.32	0.54														
	250m					0.27	0.34														
NH_4-N	0m	−0.026	−0.122	0.387	−0.061	−0.14	−0.11	−0.108	−0.086	−0.107	0.053	0.559	8.773	−0.125	1.047	−0.178	−0.14	−0.11	−0.006	−0.098	0.103
	10m					−0.16	−0.14					0.239									
	30m					0.02	−0.13					0.264									
	50m					−0.18	−0.15					0.29									
	100m					−0.19	−0.18														
	250m					0.01	−0.09														
NO_2-N	0m	0.015	0.012	0.073	0.03	0.01	0.02	0.01	0.007	0.012	0.012	0.089	1.058	0.012	0.103	0.006	0.013	0.03	0.015	0.01	0.045
	10m					0.02	0.01					0.033									
	30m					0.05	0.06					0.48									
	50m					0.15	0.11					0.421									
	100m					0.04	0.04														
	250m					0.07	0.04														
NO_3-N	0m	0.036	0.018	0.13	0.093	0.14	0.16	0.132	0.02	0.072	0.031	2.009	35.887	0.024	0.265	0.052	0.095	0.431	0.028	0	0.047
	10m					0.34	0.26					0.567									
	30m					1.93	2.58					4.335									
	50m					7.68	5.41					7.865									
	100m					13.99	12.13														
	250m					25.37	22.04														
PO_4-P	0m	0.084	0.076	0.089	0.083	0.07	0.05	0.049	0.045	0.053	0.082	0.153	0.662	0.069	0.139	0.054	0.056	0.069	0.073	0.068	0.059
	10m					0.07	0.06					0.096									
	30m					0.19	0.21					0.213									
	50m					0.32	0.39					0.358									
	100m					0.68	0.81														
	250m					1.17	0.89														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和元年(2019)年10月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		23	15	17	15	15	15	15	15	15	15	15
開始時間		15:07	9:08	8:43	12:07	12:27	11:41	11:15	10:53	10:29	9:59	9:36
終了時間		15:10	9:11	9:01	12:09	12:28	11:42	11:17	10:55	10:31	10:01	9:41
天気		BC	O	C		C	O		C		C	
気温(℃)		22.2	18.7	18.3		20.9	20.6		20.2		19.2	
気圧(hPa)		1016.2	1021.3	1024.6		1020.6	1021.4		1021.3		1021.4	
風向風力		SSE 1	NE 2	NNE 4		NE 3	ENE 4		ENE 3		NE 3	
水色		12	14	10	15	15	15	14	15	14	13	14
透明度		7.5	3.5	10.0	2.5	2.5	3.0	2.5	3.0	3.0	4.0	4.0
波浪		SSE 1	SW 1	SSW 2		WSW 2	SW 2		SW 2		SW 1	
うねり			NE 1	SSW 1								
測点水深(m)		81	91	679	31.7	26.3	30.0	41.4	43.7	58.0	42	85
水温 (℃)	0m	21.4	22.1	23.6	21.3	21.2	21.4	21.1	21.5	21.4	22.0	22.0
	10m	21.9252	22.6556	23.7923	22.1663	22.4061	21.4751	21.9104	21.6873	21.5785	21.8623	3:13
	20m	22.9319	22.8859	23.6619	21.9477	21.8316	22.0568	21.975	22.2137	22.1988	23.6366	24.0269
	30m	23.1236	23.168	22.9713	21.2418			21.2534	20.9277	21.3741	22.9135	20:36
	50m	22.484	22.0387	21.5431				20.57(40m)	20.50(40m)	20.2111		23.5879
	75m			18.7472								16:51
	100m			17.6854								
	150m			15.2228								
	200m			14.0703								
	250m			11.6813								
	300m			10.8107								
	400m			8.8229								
	500m			6.8579								
	600m			5.8296								
塩分	0m	31.6397	28.6724	33.2641	23.3326	19.6326	24.8002	21.0563	23.0841	23.2046	28.3603	26.3685
	10m	32.5102	30.2175	33.5687	31.5524	30.0414	25.3986	27.8003	26.4365	26.3461	32.6733	20:23
	20m	33.6246	30.7207	33.9223	32.4354	32.9616	33.0577	32.4236	31.6246	30.1739	33.913	33.7448
	30m	33.7551	32.0254	34.0573	33.2178			33.0661	33.3334	33.2162	33.9498	22:35
	50m	34.0617	34.1626	34.3575				33.53(40m)	33.49(40m)	33.9564		34.0212
	75m			34.4656								1:17
	100m			34.4974								
	150m			34.5424								
	200m			34.5204								
	250m			34.4499								
	300m			34.4211								
	400m			34.3902								
	500m			34.3723								
	600m			34.3661								
溶存酸素 (ml/L)	0m											
	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD (mg/L)	0m	0.48	1.20	0.80	1.26	1.42	1.30	1.17	1.33	1.49	0.90	1.34
	10m	0.35	0.93	0.59	0.91			0.99	1.14	1.20	0.59	0.69
	30m	0.26	0.86	0.35	0.72			0.80	0.58	0.72	0.48	0.58
	50m	0.32	0.48	0.35				0.74(40m)	0.48(40m)	0.48		0.42
	100m			0.18								
	250m			0.13								
NH_4-N	0m	1.342	5.83	1.19	11.31	16.486	9.768	14.22	12.38	12.01	5.70	8.24
	10m	0.336	4.23	0.397	3.47			6.86	8.13	6.76	1.74	1.34
	30m	−0.038	2.47	0.094	3.27			2.36	2.06	1.54	0.20	0.21
	50m	−0.055	0.15	2.041				3.30840m)	2.17(40m)	1.25		0.16
	100m			−0.045								
	250m			−0.077								
NO_2-N	0m	2.705	1.33	0.492	1.78	1.891	1.82	1.87	1.79	1.82	1.38	1.59
	10m	1.255	1.25	0.284	1.46			1.93	1.80	1.71	0.90	0.69
	30m	0.45	0.86	0.26	2.56			2.01	2.06	1.33	0.41	0.30
	50m	0.301	0.37	0.138				2.07(40m)	2.06(40m)	0.62		0.31
	100m			0.133								
	250m			0.031								
NO_3-N	0m	20.044	20.25	4.216	38.91	51.865	33.322	45.04	37.42	37.17	18.32	26.43
	10m	8.841	13.78	1.794	9.44			17.78	25.69	21.07	6.81	4.65
	30m	2.714	7.70	3.03	11.33			10.17	10.74	8.11	3.24	2.36
	50m	2.915	4.51	2.775				11.29(40m)	10.97(40m)	7.43		2.59
	100m			9.426								
	250m			17.512								
PO_4-P	0m	0.745	0.77	0.197	1.28	2.056	1.218	1.10	1.27	1.32	0.78	0.96
	10m	0.287	0.61	0.136	0.71			0.78	1.16	0.94	0.51	0.29
	30m	0.092	0.37	0.15	0.77			0.66	0.62	0.57	0.24	0.14
	50m	0.122	0.26	0.212				0.75(40m)	0.82(40m)	0.59		0.15
	100m			0.446								
	250m			0.846								

沿岸定線調査（令和元年(2019)年10月

測点		1	2	3	5	6	7	9	10	12	14
観測日		8	8	8	8	8	8	8	8	8	17
開始時間		8:59	9:30	10:02	11:48	12:47	13:14	13:52	14:37	15:13	9:36
終了時間		9:02	9:34	10:18	11:56	12:50	13:23	14:11	14:45	15:18	9:45
天気				BC	BC	BC		BC			
気温(℃)				24.1	25.8	25.9		26.8			
気圧(hPa)				1010.4	1008.6	1007.4		1007.0			
風向風力				S 5	SSW 3	SW 4		WSW 4			
水色		11	11	11	12	12	12	11	12	10	11
透明度		8.5	9.0	10.0	5.0	7.5	8.0	10.0	11.0	13.0	8.0
波浪				NNE 2	NNE 2	E 3		ENE 3			
うねり								NE 2			
測点水深(m)		63	157	615	361	166	1249	689	972	128	539
水温 (℃)	0m	24.4	24.1	24.5	24.8	24.7	24.9	24.8	24.7	25.4	23.2
	10m	24.3744	23.9292	24.4456	24.6593	24.5549	24.4022	24.5154	24.5712	24.9955	23.4877
	20m	24.1821	23.9749	24.0645	24.7407	24.4786	24.2966	24.4289	24.4931	24.3322	23.9116
	30m	23.7018	23.852	23.8873	24.0844	23.9227	23.2687	24.2546	23.7421	22.8598	24.1936
	50m	20.9952	20.7624	21.1886	20.5342	20.5272	21.8961	21.7933	22.4388	21.3231	20.6919
	75m		18.0594	17.7131	18.0644	17.4134	17.211	19.8481	19.2997	18.5837	17.9121
	100m		17.24	16.4356	16.5515	16.8454	16.4307	16.8232	16.9191	18.0218	16.2218
	150m			14.57	14.8829		15.0356	13.17	13.8345		14.408
	200m			13.2826	13.6228		13.251	11.5016	12.64		12.3626
	250m			12.0153	12.2078		11.5308	10.8442	10.712		11.5554
	300m			10.7176				10.047			
	400m			8.8675				8.0311			
	500m			7.0815				6.8871			
	600m							5.3931			
塩分	0m	33.709	33.5691	33.6917	33.1397	33.5884	33.7373	33.9479	33.7997	33.8294	32.8164
	10m	33.7524	33.6412	33.8235	33.5124	33.593	33.7944	33.951	33.8019	33.8037	33.2708
	20m	33.8263	33.7607	33.8729	33.6176	33.6447	33.8266	33.9608	33.7855	33.7862	33.7717
	30m	33.9801	33.9327	33.921	33.8071	33.8795	34.0479	33.9685	33.9518	34.1239	33.9101
	50m	34.2994	34.356	34.3086	34.3553	34.3851	34.2594	34.2824	34.231	34.3279	34.4049
	75m		34.5505	34.568	34.5422	34.5698	34.5746	34.434	34.4821	34.5193	34.6143
	100m		34.5707	34.5863	34.5645	34.5819	34.5918	34.5625	34.5608	34.5491	34.6253
	150m			34.5456	34.5481		34.5722	34.482	34.5237		34.5478
	200m			34.4862	34.5024		34.4903	34.4041	34.4559		34.4521
	250m			34.4295	34.436		34.4129	34.3856	34.3642		34.4275
	300m			34.3813				34.3528			
	400m			34.3123				34.2938			
	500m			34.2774				34.2718			
	600m							34.3037			
溶存酸素 (ml/L)	0m										
	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD (mg/L)	0m	0.74	0.74	0.74	0.93	0.88	0.85	0.74	0.90	0.70	0.45
	10m	0.70		0.61	0.80	0.90		0.64		0.74	
	30m	0.64		0.58	0.51	0.59		0.50		0.58	
	50m	0.46		0.54	0.32	0.35		0.48		0.42	
	100m			0.35				0.40			
	250m			0.26				0.26			
NH_4-N	0m	0.31	0.028	−0.041	−0.03	−0.022	−0.048	−0.05	−0.084	−0.041	1.379
	10m	−0.06		−0.07	−0.05	−0.03		−0.064		0.176	
	30m	0.16		0.018	0.022	0.08		0.00		−0.046	
	50m	−0.04		−0.107	−0.08	0.08		−0.073		−0.106	
	100m			−0.103				−0.09			
	250m			−0.104				0.039			
NO_2-N	0m	0.02	0.069	0.031	0.04	0.025	0.026	0.03	0.03	0.026	0.602
	10m	0.02		0.029	0.04	0.03		0.032		0.06	
	30m	0.39		0.151	0.246	0.283		0.17		0.651	
	50m	0.45		0.221	0.34	0.17		0.41		0.267	
	100m			0.044				0.07			
	250m			0.035				0.067			
NO_3-N	0m	0.00	0.2	0.004	0.025	−0.013	−0.01	−0.02	0.015	0.001	5.468
	10m	−0.02		−0.001	0.00	−0.03		−0.029		0.015	
	30m	1.95		1.015	1.213	1.118		0.51		3.364	
	50m	5.49		5.156	6.12	6.01		4.298		5.032	
	100m			10.315				9.65			
	250m			18.815				21.588			
PO_4-P	0m	0.07	0.096	0.075	0.076	0.057	0.065	0.06	0.066	0.056	0.262
	10m	0.06		0.064	0.08	0.06		0.071		0.068	
	30m	0.12		0.083	0.097	0.108		0.11		0.147	
	50m	0.28		0.275	0.29	0.28		0.321		0.363	
	100m			0.46				0.38			
	250m			0.829				1.027			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和元年(2019)年10月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		17		23		23	23	17	17	17	17	8	8	8	8		23				
開始時間		10:04		14:27		10:27	12:57	12:05	11:31	10:56	10:32	11:12	10:38	12:18	8:31		11:54				
終了時間		10:09	欠	14:34	欠	10:47	13:19	12:16	11:42	11:07	10:34	11:15	10:40	12:26	8:37	欠	12:01	欠	欠	欠	欠
天気		C		BC		BC	BC	O		C			BC		BC		BC				
気温(℃)		18.7		22.3		20.4	22.2	19.1		19.1			24.1		22.6		21.5				
気圧(hPa)		1024.5		1015.9		1016.4	1015.6	1023.9		1023.7			1009.5		1011.7		1015.7				
風向風力		NNE 6		S 1		N 1	SE 1	N 3		NE 5			S 4		S 4		ENE 1				
水色		9		9		6	6	6	10	9	9	12	12	11	10		7				
透明度		10.0	測	12.0	測	23.0	23.0	17.0	10.0	11.0	11.0	6.0	9.0	8.0	9.0	測	21.0	測	測	測	測
波浪		SSW 2		S 1		S 1	E 1	SSW 3		SW 3			NNE 2		NNE 1		W 1				
うねり		SSW 2		W 1		NW 1	W 1	WNW 3		S 2							S 1				
測点水深(m)		166		872		1508	1467	1563	797	466	79	67	27	633	193		567				
水温	0m	23.7		23.4		25.0	25.1	24.7	24.0	24.2	23.8	24.9	24.8	24.9	23.4		25.5				
(℃)	10m	23.5047		23.1959		24.7726	24.614	24.7121	23.9999	24.0944	23.7648	24.6699	24.5656	24.6703	23.989		25.2778				
	20m	23.3234		23.2735		24.3683	24.3627	24.705	24.1682	24.0891	23.7386	24.4465	24.2582	24.6101	24.0606		25.2538				
	30m	20.8229		23.3568		23.8292	24.1932	24.6028	24.0804	21.2316	23.5197	23.8718		24.6059	24.2245		25.2485				
	50m	19.2549		23.6718		23.901	23.6605	22.851	21.5955	18.4556	18.2996	21.7992		20.6158	21.1274		23.7072				
	75m	16.9599		20.1174		21.5196	18.1013	18.6846	17.5033	17.4819				17.4672	18.716		19.7345				
	100m	15.6369		16.8855		17.4997	15.6474	15.7005	16.7767	15.5811				16.5067	16.4218		17.3874				
	150m	14.5211		13.0769		15.0867	13.9237	14.0389	14.4038	13.7045				14.6903	14.8554		15.3385				
	200m			11.1722		12.7685	12.6851	13.4209	13.4496	12.6531				13.8894			13.2925				
	250m			10.8557		9.847	12.2268	12.2694	11.0992	10.0275				12.7781			9.9555				
	300m					8.9004	10.7263														
	400m					7.9306	8.7751														
	500m					6.809	7.7636														
	600m					5.5972	5.4877														
塩分	0m	33.5749		33.3862		33.9282	33.9092	34.0981	33.5265	33.9753	33.8767	33.5404	33.4598	33.5963	33.433		33.9125				
	10m	33.7141		33.434		33.9263	33.9412	34.1004	33.5375	33.9792	33.8806	33.6777	33.6665	33.6021	33.6071		33.9127				
	20m	33.8727		33.4966		33.8488	33.9751	34.1007	33.6566	33.9841	33.9167	33.7488	33.8036	33.6318	33.6919		33.9127				
	30m	34.2473		33.5586		33.6907	33.9897	34.1053	33.6995	34.3786	34.0323	33.8908		33.65	33.7681		33.9129				
	50m	34.3965		34.0265		33.8567	34.0235	34.2804	34.4043	34.5747	34.5067	34.2258		34.3552	34.2766		34.2547				
	75m	34.5827		34.4329		34.2546	34.5223	34.5887	34.6514	34.6199				34.5491	34.5329		34.7123				
	100m	34.5817		34.5714		34.5458	34.5895	34.5956	34.6145	34.5888				34.5676	34.565		34.7515				
	150m	34.5353		34.4853		34.5588	34.5281	34.5398	34.5538	34.5193				34.5404	34.5518		34.6051				
	200m			34.3856		34.4664	34.4673	34.5055	34.5043	34.4631				34.518			34.488				
	250m			34.3765		34.3325	34.4433	34.4409	34.3956	34.3622				34.47			34.3155				
	300m					34.3084	34.3645														
	400m					34.2812	34.3049														
	500m					34.2878	34.2868														
	600m					34.3016	34.3023														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	0.54		0.34		0.48	0.45	0.35	0.45	0.45	0.45	0.85	0.72	1.33	0.74		0.45				
(mg/L)	10m					0.45	0.29					0.74									
	30m					0.37	0.32					0.61									
	50m					0.32	0.22					0.45									
	100m					0.64	0.16														
	250m					0.24	0.03														
NH_4-N	0m	0.528		0.218		0.06	0.014	−0.011	0.688	0.042	0.191	−0.013	0.11	−0.052	0.139		−0.029				
	10m					*****	−0.076					−0.059									
	30m					0.03	−0.072					0.02									
	50m					0.27	−0.069					−0.036									
	100m					0.52	−0.081														
	250m					*****	−0.024														
NO_2-N	0m	0.351		0.762		0.05	0.048	0.078	0.356	0.094	0.259	0.023	0.05	0.022	0.094		0.044				
	10m					0.04	0.041					0.028									
	30m					0.27	0.059					0.295									
	50m					0.10	0.111					0.64									
	100m					0.04	0.03														
	250m					0.03	0.018														
NO_3-N	0m	2.696		4.349		0.19	0.195	0.578	2.524	0.929	1.962	0.006	0.783	−0.016	0.356		0.151				
	10m					0.17	0.395					−0.024									
	30m					1.34	0.677					1.479									
	50m					0.66	1.975					4.886									
	100m					9.55	10.312														
	250m					23.97	19.365														
PO_4-P	0m	0.145		0.155		0.05	0.052	0.064	0.127	0.082	0.127	0.071	0.075	0.061	0.122		0.052				
	10m					0.07	0.063					0.055									
	30m					0.08	0.062					0.107									
	50m					0.07	0.111					0.294									
	100m					0.37	0.431														
	250m					1.61	0.867														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和元年(2019)年11月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		8	19	7	19	19	19	19	19	19	19	19
開始時間		9:21	9:15	8:46	12:05	12:25	11:38	11:16	10:55	10:27	10:01	9:40
終了時間		9:24	9:17	9:04	12:07	12:26	11:40	11:18	10:57	10:29	10:02	9:43
天気		B	BC	BC		BC	BC		BC		BC	
気温(℃)		16.4	18.1	16.9		17.5	17.4		17.8		17.5	
気圧(hPa)		1016.0	1006.9	1014.5		1005.5	1006.1		1007.0		1007.0	
風向風力		NNE 4	NE 4	NNE 2		ENE 2	NE 3		NE 2		NE 4	
水色		13	9	11	15	15	15	14	14	13	12	11
透明度		4.5	16.0	6.0	4.0	4.0	4.0	5.0	4.5	6.0	7.0	9.0
波浪		SSW 3	S 3	S 1		SW 1	SW 2		SW 2		SSW 2	
うねり		SW 1	N 2								NNE 1	
測点水深		81	89	679	32.7	27.1	30.9	42.3	40.2	60.5	42	75
水温	0m	20.8	21.5	21.8	19.0	19.3	19.1	19.3	19.4	19.5	19.8	20.2
(℃)	10m	21.0925	21.4492	22.2706	19.0224	19.0152	19.1546	19.3678	19.3607	19.52	19.9672	1:01
	20m	21.869	21.4238	22.1582	18.9857	19.4132	19.5935	19.7391	19.5973	19.6954	20.0119	20.5953
	30m	21.8776	21.4127	21.9951	20.6125			20.0948	19.6687	19.9674	20.2573	18:44
	50m	19.3386	21.2546	19.5863				20.55(40m)		19.8865		21.2331
	75m			17.8522								
	100m			16.5848								
	150m			15.3709								
	200m			13.744								
	250m			11.5317								
	300m			9.9587								
	400m			8.1985								
	500m			6.9874								
	600m			5.0014								
塩分	0m	32.3514	33.9688	33.2086	31.6537	31.5361	31.9436	32.1411	32.3653	32.5757	32.9616	33.2091
	10m	32.5267	33.9679	33.7052	31.6392	31.7349	32.2018	32.55	32.4913	32.7276	33.1327	5:26
	20m	33.3214	33.9764	33.835	31.8584	32.2573	32.9713	33.0419	32.9513	32.9733	33.2187	33.5649
	30m	34.0579	33.9756	34.0261	33.4696			33.4463	33.1512	33.3583	33.4253	15:19
	50m	34.4432	34.0397	34.4174				33.71(40m)		33.47		33.8926
	75m			34.5584								
	100m			34.5962								
	150m			34.5618								
	200m			34.5104								
	250m			34.4575								
	300m			34.4099								
	400m			34.3952								
	500m			34.3875								
	600m			34.3769								
溶存酸素	0m											
(ml/L)	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD	0m	0.94	0.78	0.64	1.15	0.72	1.04	0.82	0.94	0.96	0.77	0.78
(mg/L)	10m	0.58	0.67	0.54	1.04			1.01	0.78	0.80	0.69	0.82
	30m	0.53	0.54	0.48	0.85			0.66	0.69	0.69	0.82	0.70
	50m	0.50	0.51	0.42				0.78(40m)	0.66(40m)	0.67		0.74
	100m			0.32								
	250m			0.19								
NH_4-N	0m	0.503	0.676	0.198	0.852	2.108	0.926	1.159	1.055	1.082	0.72	0.874
	10m	0.151	0.592	0.11	0.733			1.656	1.421	0.946	0.892	0.855
	30m	0.953	0.279	0.108	0.679			1.577	2.092	1.567	0.794	0.629
	50m	0	0.295	0				0.19(40m)	2.16(40m)	1.844		0.517
	100m			0								
	250m			0								
NO_2-N	0m	0.395	0.183	0.102	1.183	1.209	1.125	1.148	1.083	0.919	0.734	0.617
	10m	0.368	0.178	0.151	1.229			1.077	0.912	0.859	0.635	0.582
	30m	0.19	0.197	0.31	0.731			0.842	0.914	0.71	0.513	0.38
	50m	0.136	0.291	0.135				0.57(40m)	0.97(40m)	0.729		0.297
	100m			0.022								
	250m			0.033								
NO_3-N	0m	6.262	1.648	1.363	20.642	24.534	13.277	14.257	12.13	10.075	7.778	6.245
	10m	5.844	1.601	1.638	19.016			13.064	10.381	9.281	6.478	5.996
	30m	2.638	1.841	2.952	17.54			13.876	9.474	7.478	5.333	3.725
	50m	6.514	2.776	6.589				17.02(40m)	9.71(40m)	7.594		2.818
	100m			10.674								
	250m			21.186								
PO_4-P	0m	0.192	0.164	0.121	0.391	0.567	0.316	0.278	0.297	0.334	0.264	0.237
	10m	0.196	0.158	0.116	0.341			0.361	0.242	0.239	0.263	0.248
	30m	0.235	0.143	0.143	0.656			0.611	0.387	0.302	0.258	0.221
	50m	0.326	0.194	0.328				0.79(40m)	0.46(40m)	0.331		0.211
	100m			0.425								
	250m			0.985								

沿岸定線調査（令和元年(2019)年11月

測点		1	2	3	5	6	7	9	10	12	14
観測日		5	5	5	5	5	5	5	5	5	7
開始時間		14:30	14:00	13:17	11:44	10:53	10:20	9:35	9:03	8:32	9:37
終了時間		14:33	14:03	13:33	11:52	10:57	10:27	9:53	9:10	8:36	9:45
天気		B		B	B	B		B		B	BC
気温(℃)		18.3		17.4	17.0	16.5		15.6		15.7	17.2
気圧(hPa)		1013.9		1014.0	1015.1	–		1016.6		1017.0	1014.9
風向風力		SSW 1		E 1	SE 2	E 1		NE 3		N 3	S 1
水色		10	10	9	8	8	7	8	9	9	11
透明度		7.0	8.0	7.0	11.0	12.0	13.0	11.0	9.5	9.0	7.0
波浪		WNW 1		W 1	NW 1	W 1		SSW 2		S 2	SW 2
うねり				NW 1							
測点水深		62	187	598	367	166	1254	674	968	139	569
水温	0m	20.9	21.2	21.0	21.0	20.7	21.7	21.0	21.2	21.4	21.6
(℃)	10m	20.9513	21.3623	21.5332	21.4882	21.3039	21.7331	21.179	21.2853	21.4882	22.1493
	20m	21.1573	21.4654	21.5165	21.5764	21.5516	21.766	21.2243	21.2976	21.6394	23.2765
	30m	21.6881	21.8852	21.6648	22.1802	22.2062	22.2489	22.2169	21.7729	22.6154	21.8004
	50m	21.3995	21.1396	21.2608	19.8201	19.2579	20.8634	21.67	22.3486	21.703	19.8284
	75m		18.2291	18.4003	17.3568	17.633	18.4463	20.2709	19.0136	17.9455	16.8415
	100m		16.6561	16.2783	16.1009	17.1272	16.5668	17.654	16.8473	16.2911	16.2428
	150m			14.2744	14.3228		14.5282	13.593	14.2374		14.6172
	200m			13.5092	13.1196		12.6795	12.1928	12.5922		12.6863
	250m			12.1325	11.809		11.3475	10.5442	10.9477		11.8645
	300m			10.4258				9.1968			
	400m			7.9768				7.7016			
	500m			6.5989				6.6775			
	600m							4.9829			
塩分	0m	32.4154	32.3133	32.6249	32.3223	32.0197	32.9228	32.5625	32.6981	32.8727	33.095
	10m	32.5364	32.7179	32.8009	32.6722	32.504	32.9193	32.5627	32.6847	32.8695	33.4486
	20m	32.6823	32.8223	32.8046	32.8756	32.7326	32.9422	32.5884	32.6906	32.9529	34.0351
	30m	33.039	33.192	32.9154	33.7978	33.6745	33.536	33.2242	32.9145	33.6307	34.2104
	50m	33.9876	34.1755	34.1554	34.3398	34.4043	34.2661	34.1344	33.944	34.1831	34.4205
	75m		34.495	34.4986	34.5196	34.5204	34.4823	34.4008	34.5033	34.5391	34.5667
	100m		34.5446	34.5628	34.5717	34.5474	34.5594	34.5998	34.5827	34.5774	34.5846
	150m			34.5334	34.5337		34.5368	34.4893	34.5373		34.5382
	200m			34.4948	34.4815		34.4623	34.4331	34.4587		34.4672
	250m			34.4379	34.4246		34.3951	34.3701	34.3795		34.4349
	300m			34.3675				34.3167			
	400m			34.2891				34.2846			
	500m			34.2918				34.288			
	600m							34.3156			
溶存酸素	0m										
(ml/L)	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD	0m	0.70	0.67	0.74	0.61	1.01	0.56	0.82	0.53	0.85	0.94
(mg/L)	10m	0.48		0.50	0.53	0.74		0.66		1.15	
	30m	0.45		0.51	0.45	0.54		0.50		0.90	
	50m	0.30		0.40	0.35	0.29		0.48		0.50	
	100m			0.11				0.40			
	250m			0.06				0.34			
NH_4-N	0m	0.177	0.102	0.156	0	0.093	0	0	0.009	0	0.204
	10m	0.227		0.075	0	0		0		0	
	30m	0		0.36	0	0		0		0	
	50m	0.027		0	0	0.032		0		0	
	100m			0				0			
	250m			0.043				0			
NO_2-N	0m	0.667	0.425	0.59	0.507	0.49	0.759	0.611	0.608	0.721	0.253
	10m	0.655		0.605	0.728	0.584		0.607		0.72	
	30m	0.878		0.771	0.366	0.523		0.87		0.767	
	50m	0.757		0.178	0.101	0.104		0.252		0.283	
	100m			0.037				0.036			
	250m			0.022				0.018			
NO_3-N	0m	8.389	3.505	7.19	4.97	4.365	4.743	4.849	4.528	5.321	2.311
	10m	8.244		4.218	4.538	4.109		4.863		5.177	
	30m	7.13		5.135	5.235	5.15		5.228		4.965	
	50m	6.62		6.003	7.159	7.641		5.281		4.576	
	100m			11.298				9.242			
	250m			18.679				21.531			
PO_4-P	0m	0.223	0.162	0.188	0.14	0.149	0.158	0.154	0.137	0.179	0.131
	10m	0.205		0.213	0.127	0.139		0.166		0.158	
	30m	0.186		0.187	0.196	0.182		0.275		0.204	
	50m	0.259		0.232	0.305	0.271		0.221		0.184	
	100m			0.494				0.439			
	250m			0.845				0.781			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和元年(2019)年11月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		7	8	8	8		7	7	7	7	7	5	5	5	5	7	7	7	7	7	7
開始時間		10:05	8:54	8:18	7:35		12:53	12:18	11:43	11:02	10:35	12:22	12:54	11:16	14:57	13:59	14:35	15:05	15:33	17:06	16:28
終了時間		10:11	9:02	8:27	7:44		13:16	12:27	11:51	11:13	10:37	12:25	12:55	11:23	15:02	14:09	14:43	15:12	15:41	17:13	16:36
天気		BC			BC	欠		BC		BC		B				BC		BC			BC
気温(℃)		19.0			16.4			20.8		19.0		17.3				20.9		21.1			20.9
気圧(hPa)		1014.0			1015.0			1011.3		1013.1		1014.4				1010.5		1010.0			1010.0
風向風力		W 1			NNE 5			SE 1		SW 1		WSW 1				SE 5		SW 5			SW 6
水色		8	11	9	11		5	5	5	6	6	9	10	9	11	6	6	6	10	−	8
透明度		10.5	5.0	13.0	7.0	測	18.0	17.0	20.0	16.0	16.0	9.5	7.0	9.0	5.5	13.0	12.0	15.0	5.5	−	9.0
波浪		SW 2			S 4			E 1		SW 1		NW 1				ENE 2		E 3			NE 3
うねり					S 2			WNW 2		NW 2		N 1				NE 1		NE 1			NE 1
測点水深(m)		243	454	873	1235		1504	1536	817	457	78	72	29	624	228	416	559	1019	536	784	1386
水温	0m	21.3	21.8	22.2	21.4		23.6	23.2	23.9	24.0	23.9	21.2	20.9	21.2	20.6	24.1	23.7	23.8	21.5	22.3	23.5
(℃)	10m	23.0218	21.822	22.2057	21.2965		23.5037	22.9777	23.8246	23.4125	23.392	21.2394	21.3747	21.5877	21.1535	23.9618	23.4867	23.6783	22.2928	22.2991	23.2764
	20m	22.7962	22.4052	22.2042	21.4997		22.9177	22.7937	23.6561	23.251	23.0963	21.5965	21.9383	21.3168	21.5143	23.7806	23.3292	23.6083	22.7786	22.464	23.2712
	30m	22.3232	22.8905	22.0968	21.8244		21.9012	21.5506	23.2532	23.0428	23.0695	22.3644		22.1855	21.8907	23.6171	23.0962	23.3166	23.2053	22.5784	22.7219
	50m	20.0471	19.4042	20.8961	21.567		19.4303	18.933	21.3481	21.5772	19.939	18.7424		20.3028	20.3382	16.9595	20.4758	22.4405	20.2512	19.7706	21.323
	75m	17.4756	16.686	18.6324	19.2575		18.3705	18.4565	19.0104	18.6677				17.4674	17.3834	16.1375	17.5717	20.3448	18.0346	16.926	16.6987
	100m	16.9083	15.4521	15.6344	17.2159		16.5105	16.3012	18.0068	15.9429				15.9455	16.8112	15.6264	15.3974	16.3963	16.1141	15.6202	15.7439
	150m	14.3273	13.5602	12.8092	13.0495		13.0612	13.9324	15.1468	13.8571				13.7933	15.4213	14.1153	14.0386	12.8094	14.6008	14.2039	14.1581
	200m	12.8815	12.3552	11.6449	10.8855		11.638	12.3842	13.6618	12.3244				13.1104	12.9657	12.7275	12.305	10.6044	12.6659	13.1742	13.0546
	250m		11.0729	9.9932	9.7745		11.2049	11.9273	11.6186	11.9288				11.8587		10.9021	11.342	10.0339	11.1371	11.9195	11.3646
	300m						11.1306														
	400m						9.0661														
	500m						7.5202														
	600m						5.6671														
塩分	0m	33.892	33.2336	33.6805	32.903		34.0739	34.0743	33.937	34.0318	34.1181	32.5739	32.3511	31.6137	31.5487	33.995	34.0531	34.0771	33.4509	33.5436	34.0383
	10m	33.8903	33.1888	33.7249	32.9004		34.0955	34.0882	34.013	34.0367	34.0499	32.6285	32.6745	32.7456	32.4878	33.996	34.0289	34.0761	33.5	33.5344	34.0471
	20m	34.0745	33.6201	33.7588	33.0083		34.1549	34.1607	34.0782	34.0682	33.9888	32.9262	33.243	32.711	32.814	33.9965	34.0337	34.0521	33.7507	33.6243	34.0435
	30m	34.1327	34.1235	33.7311	33.2022		34.2831	34.2773	34.1196	34.1074	34.0123	33.6849		33.7142	33.5024	34.0237	34.0757	34.0075	34.0473	34.0328	34.0245
	50m	34.4881	34.4111	34.2163	34.2664		34.416	34.4913	34.3391	34.208	34.4737	34.4542		34.2993	34.3236	34.6513	34.4117	34.1642	34.3372	34.3379	34.2893
	75m	34.5842	34.555	34.5168	34.428		34.5077	34.5094	34.5337	34.4722				34.5263	34.5403	34.6588	34.5838	34.4135	34.5144	34.5519	34.5528
	100m	34.5696	34.572	34.5983	34.56		34.5706	34.602	34.5705	34.5697				34.5562	34.5515	34.621	34.5815	34.524	34.5686	34.5656	34.5645
	150m	34.5339	34.5059	34.4708	34.4771		34.4721	34.5278	34.5618	34.5256				34.5091	34.5595	34.5401	34.5394	34.4501	34.5457	34.5273	34.53
	200m	34.4806	34.4501	34.4147	34.3783		34.415	34.4512	34.5081	34.446				34.4837	34.4741	34.4721	34.4381	34.373	34.462	34.4826	34.4839
	250m		34.3837	34.3401	34.3309		34.3954	34.4303	34.4161	34.4267				34.42		34.3822	34.3964	34.3445	34.3873	34.4264	34.4005
	300m						34.3917														
	400m						34.3049														
	500m						34.2707														
	600m						34.304														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	0.83	1.14	0.75	0.88		0.67	0.50	0.53	0.69	0.69	0.88	0.58	0.64	0.72	0.85	0.86	0.67	1.06	0.53	0.78
(mg/L)	10m						0.62					0.80									
	30m						0.42					0.58									
	50m						0.46					0.42									
	100m						0.53														
	250m						0.40														
NH_4-N	0m	0.009	0.329	0.094	0.182		0.00	0.195	0.009	0	0.028	0.121	0.698	0.086	0.113	0	0.003	0.015	0.264	0.071	0.061
	10m						0.00					0.282									
	30m						0.00					0									
	50m						0.00					0.111									
	100m						0.00														
	250m						0.01														
NO_2-N	0m	0.024	0.262	0.171	0.361		0.02	0.037	0.006	0.027	0.04	0.587	0.739	0.556	0.829	0.012	0.018	0.032	0.053	0.076	0.018
	10m						0.02					0.546									
	30m						0.03					0.49									
	50m						0.04					0.203									
	100m						0.02														
	250m						0.00														
NO_3-N	0m	0.127	2.425	1.758	2.668		0.48	1.067	0.067	0.317	0.618	4.748	18.089	7.05	13.303	0.202	0.27	0.447	0.309	0.59	0.13
	10m						0.51					3.79									
	30m						1.83					5.192									
	50m						5.54					7.616									
	100m						10.09														
	250m						20.96														
PO_4-P	0m	0.105	0.173	0.179	0.184		0.20	0.223	0.097	0.096	0.101	0.147	0.348	0.183	0.326	0.18	0.169	0.176	0.167	0.156	0.159
	10m						0.20					0.142									
	30m						0.29					0.201									
	50m						0.47					0.355									
	100m						0.56														
	250m						0.98														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和元年(2019)年12月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		6	3	5	3	3	3	3	3	3	3	3
開始時間		9:25	8:53	9:47	11:40	11:59	11:14	10:50	10:29	10:06	9:40	9:19
終了時間		9:28	8:56	10:06	11:41	12:00	11:15	10:52	10:31	10:09	9:42	9:23
天気		O	BC				BC		BC		BC	
気温(℃)		9.7	13.8				14.4		13.4		13.7	
気圧(hPa)		1024.0	1011.9				1023.0		1012.8		1012.9	
風向風力		NNE 6	N 6				NE 1		N 2		N 4	
水色		11	10	7	14	14	13	14	13	12	13	11
透明度		6.0	9.0	14.0	4.0	3.0	5.5	4.5	6.0	7.0	7.0	8.0
波浪		SSW 3	SW 3				SW 1		SW 2		SW 3	
うねり			NE 2									
測点水深		82	93	683	32.8	27.2	30.5	41.9	43.0	58.1	37	79
水温 (℃)	0m	16.1	17.6	19.3	15.4	15.0	16.0	16.0	16.2	16.6	17.2	17.3
	10m	16.8675	17.7102	19.3407	16.0786	16.3716	16.581	15.9682	16.3904	16.8039	17.1892	11:05
	20m	18.1682	17.8312	18.9128	18.3415	18.0398	18.1356	18.0467	18.0674	18.1024	17.3936	17.9469
	30m	19.9414	17.8844	18.6727	18.4883			18.4518	18.3989	18.5804	18.861	0:58
	50m	19.6651	19.2052	18.7985				18.66(40m)	18.68(40m)	18.782		17.12
	75m			16.6935								20:31
	100m			15.0288								
	150m			13.354								
	200m			11.5491								
	250m			10.4793								
	300m			9.1717								
	400m			7.6936								
	500m			6.2243								
	600m			5.5257								
塩分	0m	32.1882	33.1905	34.0772	29.8786	28.3605	30.4917	30.0344	31.1968	31.9598	32.5152	32.7583
	10m	32.6281	33.1875	34.0715	30.7275	30.5397	31.4249	30.5941	31.4359	32.0292	32.5247	20:11
	20m	33.2593	33.2451	33.9635	33.264	32.9003	33.151	33.0627	33.1645	33.2225	32.7021	33.1933
	30m	34.1608	33.2746	33.9369	33.3971			33.4983	33.465	33.6548	33.8784	23:47
	50m	34.2586	34.136	34.2257				33.68(40m)	33.71(40m)	33.9114		34.4118
	75m			34.5324								11:44
	100m			34.5318								
	150m			34.4863								
	200m			34.4412								
	250m			34.4215								
	300m			34.3998								
	400m			34.3815								
	500m			34.3659								
	600m			34.3728								
溶存酸素 (ml/L)	0m											
	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD (mg/L)	0m	0.56	1.05	0.53	1.30	1.37	1.22	0.42	0.62	0.54	0.46	0.62
	10m	0.67	0.46	0.10	0.98			0.58	0.54	0.49	0.78	0.68
	30m	0.48	0.62	0.22	0.52			0.07	0.26	0.04	0.58	0.42
	50m	0.51	0.54	0.19				0.01(40m)	0.01(40m)	0.22		0.23
	100m			0.18								
	250m			0.05								
NH_4-N	0m	0.82	0.649	0.306	6.491	10.002	4.159	5.893	3.067	2.204	1.603	1.128
	10m	0.661	0.599	0.024	3.859			4.722	2.79	2.157	1.542	1.246
	30m	0.02	0.567	0.146	1.697			1.015	0.735	0.496	0.192	0.082
	50m	0.084	0.12	0.036				0.99(40m)	0.51(40m)	0.355		0.009
	100m			0.014								
	250m			0.018								
NO_2-N	0m	2.757	1.673	0.857	3.203	3.48	4.159	2.673	2.536	2.224	1.972	1.912
	10m	2.557	1.651	0.694	2.745			2.674	2.493	2.217	1.971	1.859
	30m	0.521	1.635	0.996	2.762			1.799	1.669	1.392	1.222	1.143
	50m	0.488	0.859	0.521				1.73(40m)	1.5(40m)	1.193		0.188
	100m			0.03								
	250m			0.029								
NO_3-N	0m	22.363	13.826	5.168	45.228	58.024	33.888	37.029	28.711	22.936	19.275	17.144
	10m	19.786	13.509	4.644	32.245			32.212	26.952	22.638	18.956	16.735
	30m	2.823	13.112	6.798	15.366			12.531	12.667	10.572	8.805	7.531
	50m	4.723	6.173	7.121				11.18(40m)	10.98(40m)	9.21		10.707
	100m			14.036								
	250m			24.913								
PO_4-P	0m	0.692	0.542	0.192	1.281	1.613	1.079	1.266	0.882	0.689	0.555	0.48
	10m	0.53	0.364	0.193	0.824			0.812	0.7	0.671	0.596	0.485
	30m	0.174	0.357	0.244	0.577			0.454	0.424	0.367	0.293	0.271
	50m	0.223	0.249	0.335				0.54(40m)	0.40(40m)	0.345		0.43
	100m			0.654								
	250m			1.26								

沿岸定線調査（令和元年(2019)年12月

測点		1	2	3	5	6	7	9	10	12	14
観測日		4	4	4	4	4	4	4	4	4	5
開始時間		13:59	13:29	12:48	11:13	10:22	9:49	9:01	8:28	7:56	9:07
終了時間		14:01	13:33	13:04	11:21	10:26	9:56	9:19	8:35	8:00	9:14
天気			BC		BC	BC		BC		BC	C
気温(℃)			15.2		13.9	13.5		12.8		10.5	11.3
気圧(hPa)			1015.2		1016.5	1017.5		1018.0		1017.7	1019.1
風向風力			SW 2		S 1	SW 3		N 3		NE 2	NNE 3
水色		12	7	5	7	5	5	5	4	6	9
透明度		5.0	11.0	19.0	14.0	24.0	20.0	17.0	17.0	16.0	9.0
波浪			NE 1		NNE 1	NNE 1		S 1		SW 1	SSW 2
うねり			NE 2		NNE 1	N 1		NNE 3		NNE 3	NNE 2
測点水深		64	181	594	322	119	1254	688	992	161	580
水温 (℃)	0m	19.6	20.4	21.0	20.3	20.5	20.5	20.7	20.9	20.1	18.5
	10m	19.6112	20.241	20.8295	20.2305	20.509	20.441	20.6734	20.8318	20.3184	18.6396
	20m	20.0889	20.3647	20.7908	20.2288	20.5149	20.4433	20.6697	20.8342	20.3196	18.7323
	30m	19.9334	20.3998	20.7594	20.1925	20.5103	20.4557	20.6167	20.8285	20.318	19.0682
	50m	19.4733	20.366	20.7463	19.0066	19.9514	19.5824	20.5836	20.7184	20.3034	19.0975
	75m		18.6373	17.99	18.0094	17.8633	16.8583	17.5945	18.4666	19.0482	17.8926
	100m		15.4491	16.6252	15.8375	15.8064	15.5048	16.2241	15.7402	16.1087	14.7208
	150m			13.2519	13.1877		13.9013	13.7189	13.2881		13.4165
	200m			11.6389	11.4455		12.0293	11.9855	12.1383		11.9091
	250m			9.875	10.4912		10.0753	10.1899	10.3576		10.3316
	300m			8.3898				8.5207			
	400m			7.0904				7.279			
	500m			5.7191				6.0695			
	600m							4.7819			
塩分	0m	33.8463	34.1379	34.3828	34.1524	34.2965	34.3147	34.3974	34.378	34.2446	33.6119
	10m	33.8891	34.1506	34.3872	34.1651	34.2983	34.3162	34.3984	34.3785	34.2474	33.6402
	20m	34.2018	34.2176	34.3789	34.1844	34.3002	34.3191	34.3972	34.3789	34.2485	33.6883
	30m	34.1855	34.2414	34.3721	34.2019	34.2998	34.3292	34.3977	34.3774	34.2469	33.9079
	50m	34.2098	34.2385	34.3716	34.4223	34.3719	34.5034	34.3994	34.3833	34.2578	34.342
	75m		34.484	34.5291	34.5498	34.5276	34.5429	34.5375	34.5154	34.4402	34.4736
	100m		34.5341	34.5658	34.551	34.5549	34.5577	34.5701	34.5559	34.5564	34.5056
	150m			34.4824	34.4759		34.5139	34.5082	34.4866		34.4932
	200m			34.411	34.4012		34.4262	34.4128	34.4328		34.3988
	250m			34.3331	34.3633		34.342	34.3434	34.3501		34.3582
	300m			34.2839				34.2807			
	400m			34.2954				34.2697			
	500m			34.3096				34.2952			
	600m							34.3299			
溶存酸素 (ml/L)	0m										
	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD (mg/L)	0m	0.45	0.56	0.50	0.89	0.87	0.78	0.63	0.74	0.52	0.42
	10m	0.51		0.43	0.70	0.62		0.81		0.66	
	30m	0.22		0.21	0.61	0.90		0.82		0.76	
	50m	0.22		0.19	0.26	0.78		0.87		0.71	
	100m			0.58				0.42			
	250m			0.10				0.38			
NH_4-N	0m	0.127	0.066	0.111	0.133	0.027	0.05	0.053	0.039	0.203	0.127
	10m	0.048		0.054	−0.001	0.035		0.013		0.092	
	30m	0.03		0.066	0.006	0.015		−0.006		0.043	
	50m	0.015		0.002	0.018	0.008		−0.001		0.02	
	100m			−0.015				−0.007			
	250m			0.033				0.001			
NO_2-N	0m	0.68	0.486	0.268	0.514	0.365	0.379	0.269	0.299	0.522	1.227
	10m	0.718		0.272	0.57	0.378		0.265		0.507	
	30m	0.823		0.305	0.627	0.38		0.279		0.51	
	50m	0.518		0.322	0.241	0.313		0.281		0.521	
	100m			0.044				0.037			
	250m			0.025				0.017			
NO_3-N	0m	4.461	2.712	1.807	2.602	1.998	2.299	1.965	1.752	2.405	8.433
	10m	4.479		1.752	2.66	1.964		1.936		2.323	
	30m	4.326		1.792	3.031	1.973		2.111		2.27	
	50m	3.243		1.9	6.806	4.497		2.38		2.405	
	100m			10.906				11.6			
	250m			24.707				24.143			
PO_4-P	0m	0.174	0.148	0.129	0.128	0.116	0.141	0.102	0.108	0.133	0.23
	10m	0.231		0.131	0.133	0.137		0.177		0.157	
	30m	0.201		0.138	0.138	0.154		0.16		0.178	
	50m	0.261		0.16	0.318	0.227		0.198		0.149	
	100m			0.498				0.505			
	250m			1.285				1.171			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和元年（2019）年12月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		5	6	6	6	6	5	5	5	5	5	4	4	4	4	5	5	5	5	6	6
開始時間		10:36	8:57	8:21	7:47	7:04	13:05	12:32	12:00	11:28	11:04	11:53	12:24	10:46	14:24	14:02	14:33	15:00	15:25	5:49	6:28
終了時間		10:41	9:06	8:30	7:55	7:23	13:24	12:39	12:08	11:36	11:07	11:55	12:25	10:53	14:30	14:11	14:41	15:07	15:32	5:57	6:36
天気		BC		O		C		BC		BC			BC		B	BC		BC		C	
気温(℃)		12.3		9.9		11.3		13.0		12.8			14.9		15.1	13.9		14.7		11.1	
気圧(hPa)		1019.9		1023.4		1022.5		1019.0		1019.9			1015.6		1015.4	1018.4		1018.4		1021.2	
風向風力		NNE 2		N 6		NNE 4		SW 1		N 2			S 2		SW 2	E 1		ENE 2		N 3	
水色		7	7	7	7	7	5	6	6	5	6	7	14	7	12	5	6	7	7	7	6
透明度		14.0	12.0	10.0	13.0	12.0	26.0	17.0	17.0	19.0	14.0	14.0	1.5	12.0	8.0	18.0	14.0	13.0	13.0	13.0	14.0
波浪		SSW 2		S 4		SW 3		SW 1		S 2			NNE 1		E 2	NE 3		N 2		S 2	
うねり		NE 2		S 2		SW 1		NNE 2		NE 2			NNE 1		NE 2	ENE 1		N 1		S 1	
測点水深		239	458	872	1228	1514	1473	1545	806	523	83	68	22	613	247	437	471	1015	519	742	1392
水温	0m	19.9	18.6	19.6	19.7	19.3	20.4	20.2	20.2	20.3	20.5	20.2	19.0	20.0	19.9	20.2	20.0	20.0	20.0	20.0	19.4
(℃)	10m	19.8881	19.6634	19.7208	19.6447	19.4484	20.4096	20.1422	20.2292	20.2978	20.376	20.4427	20.19	20.5306	20.0123	20.2122	19.9477	19.8441	19.9691	20.0435	19.516
	20m	19.8568	20.0929	19.7225	19.6457	19.4597	20.408	20.1426	20.2198	20.294	20.3713	20.5567	20.3174	20.5135	20.3343	20.2077	19.9466	19.8577	20.0067	20.0487	19.5136
	30m	19.9497	19.9238	19.7207	19.6475	19.405	20.4162	20.1437	19.9382	20.3001	20.3437	20.5673		20.5039	20.3305	20.2074	19.9401	19.8369	20.0009	20.0488	19.4854
	50m	20.4416	19.266	19.2213	19.6114	19.3121	20.4287	20.1403	19.8462	20.3149	19.322	20.2005		19.8457	20.3783	20.1934	19.9316	18.9299	19.5939	19.9944	18.5539
	75m	18.9372	17.4255	17.5015	17.8357	17.7843	18.3819	19.2334	19.2403	19.1536				17.5373	19.1307	18.5662	19.3127	17.769	17.5627	16.5157	16.4476
	100m	15.5167	16.0641	15.585	15.7824	15.4533	16.6601	18.7498	18.2233	18.4211				15.6656	15.4869	17.2456	16.5276	15.8425	15.793	15.4793	14.5785
	150m	13.4625	13.8324	13.0735	12.7178	12.5146	14.2331	14.4339	14.1949	14.5726				13.4402	13.7392	14.0991	13.4135	13.7888	14.0453	12.7102	12.9983
	200m		11.591	12.1352	11.5638	11.363	12.0898	12.5434	11.795	12.0218				11.7082	11.6022	11.6427	10.6722	11.1637	12.3503	11.6335	11.8444
	250m		9.8475	10.2755	10.3342	10.0347	9.9222	10.2597	9.8664	10.2871				10.1824		10.1135	9.9448	10.0231	10.4039	10.3731	10.3665
	300m					8.9314	8.6073														
	400m					6.8634	7.3641														
	500m					6.1495	6.539														
	600m					5.0092	5.198														
塩分	0m	34.1263	33.6298	34.3221	34.2972	34.2997	34.3683	34.3199	34.3885	34.3727	34.3116	34.0082	32.6454	33.9935	33.9602	34.4465	34.3055	34.3978	34.2852	34.2492	34.3513
	10m	34.1065	34.0922	34.3198	34.2969	34.2949	34.3691	34.3343	34.3897	34.3721	34.3108	34.1927	34.105	34.2631	34.0487	34.4458	34.305	34.4005	34.2844	34.2485	34.3535
	20m	34.0979	34.3644	34.3203	34.2969	34.295	34.3684	34.3508	34.3895	34.3723	34.3104	34.2688	34.2073	34.2627	34.2055	34.4455	34.305	34.3997	34.3109	34.2489	34.3533
	30m	34.1246	34.3438	34.3213	34.2997	34.2982	34.3727	34.3508	34.4352	34.3792	34.3064	34.2773		34.2652	34.2239	34.4456	34.306	34.3984	34.361	34.2483	34.3538
	50m	34.3282	34.517	34.4275	34.3398	34.3451	34.4069	34.3616	34.4367	34.3915	34.0321	34.178		34.2776	34.2756	34.4446	34.3059	34.4595	34.4103	34.3073	34.4824
	75m	34.4421	34.5573	34.5853	34.5995	34.5764	34.5138	34.4761	34.4847	34.4912				34.549	34.3934	34.503	34.412	34.5261	34.5299	34.5542	34.5318
	100m	34.5555	34.5645	34.547	34.5266	34.5307	34.5404	34.5109	34.5248	34.5173				34.5589	34.5607	34.5709	34.6136	34.5428	34.5544	34.53	34.5034
	150m	34.4917	34.5062	34.4754	34.4565	34.4346	34.5246	34.5286	34.5239	34.5359				34.4951	34.505	34.5191	34.4729	34.4939	34.5111	34.4578	34.4696
	200m		34.4083	34.432	34.4016	34.3976	34.4301	34.4542	34.4118	34.4104				34.4115	34.4062	34.4063	34.3501	34.389	34.4428	34.4091	34.4207
	250m		34.359	34.3465	34.35	34.3408	34.3368	34.343	34.322	34.364				34.3465		34.3451	34.3404	34.338	34.3592	34.3552	34.3558
	300m					34.3019	34.2902														
	400m					34.2784	34.2767														
	500m					34.2927	34.285														
	600m					34.3154	34.3106														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	0.18	0.48	0.85	0.70	0.80	0.46	0.74	0.62	0.86	0.75	0.61	0.67	0.76	0.37	0.83	0.96	0.83	4.48	0.69	0.82
(mg/L)	10m					0.83	0.77					0.32									
	30m					0.69	0.82					0.54									
	50m					0.61	0.66					0.26									
	100m					0.51	0.45														
	250m					0.26	0.29														
NH_4-N	0m	0.082	0.178	0.058	0.057	0.07	0.05	0.131	0.041	0.07	0.038	0.094	6.619	0.062	0.557	0.073	0.062	0.214	0.183	0.053	0.207
	10m					0.03	0.02					0.032									
	30m					0.04	0.00					0.05									
	50m					0.01	0.04					0.074									
	100m					0.02	0.17														
	250m					0.03	0.01														
NO_2-N	0m	0.63	1.209	0.273	0.273	0.27	0.35	0.362	0.236	0.276	0.339	0.456	1.887	0.523	0.512	0.215	0.29	0.18	0.279	0.372	0.236
	10m					0.27	0.34					0.362									
	30m					0.25	0.35					0.416									
	50m					0.25	0.35					0.65									
	100m					0.04	0.06														
	250m					0.01	0.03														
NO_3-N	0m	3.992	8.938	2.73	2.727	3.16	2.52	2.54	2.337	2.444	2.054	3.007	52.235	2.747	3.055	2.735	2.456	2.523	2.399	2.386	3.096
	10m					3.26	2.47					1.923									
	30m					3.46	2.48					2.145									
	50m					3.86	2.57					2.822									
	100m					12.75	11.30														
	250m					24.91	24.93														
PO_4-P	0m	0.167	0.261	0.134	0.151	0.15	0.16	0.144	0.135	0.138	0.125	0.148	2.677	0.139	0.152	0.163	0.148	0.158	0.146	0.145	0.154
	10m					0.17	0.20					0.175									
	30m					0.19	0.16					0.177									
	50m					0.29	0.15					0.137									
	100m					0.63	0.58														
	250m					1.15	1.23														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和2年(2020)年1月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		7	9	6	9	9	9	9	9	9	9	9
開始時間		9:13	9:23	9:06	12:23	12:46	11:55	11:30	11:07	10:42	10:13	9:50
終了時間		9:15	9:26	9:26	12:24	12:48	11:56	11:33	11:09	10:45	10:15	9:55
天気			B	BC		B	B		B		B	
気温(℃)			13.2	9.6		14.2	14.3		13.3		13.2	
気圧(hPa)			1009.1	1026.3		1008.6	1009.0		1009.2		1009.4	
風向風力			N 4	N 4		N 4	N 6		N 4		NNW 5	
水色		5	7	5	11	11	11	10	9	9	8	8
透明度		18.0	15.0	22.0	9.0	10.0	8.0	10.0	10.5	12.0	12.0	12.0
波浪			S 3	SW 3		S 2	S 3		S 3		S 3	
うねり			ENE 2	SW 2							NE 1	
測点水深		81	96	678	33.0	26.9	31.0	42.5	45.3	57.0	36	83
水温 (℃)	0m	18.4	15.7	18.5	12.9	12.8	12.7	12.8	13.0	13.8	15.8	15.2
	10m	18.5322	15.9096	18.4617	12.7563	12.6569	12.641	12.9145	13.0021	13.8211	15.9969	5:01
	20m	18.5012	16.0029	18.4676	13.3816	13.6233	13.3584	13.5062	13.0165	13.8163	16.1564	15.2837
	30m	18.4243	16.2588	18.4683	15.4805			15.5168	13.9794	13.8242	16.4674	11:15
	50m	18.2678	17.1517	18.4639				15.79(40m)	15.50(40m)	15.6275		16.1881
	75m			18.2236								8:45
	100m			17.6919								
	150m			16.2279								
	200m			13.9855								
	250m			11.6532								
	300m			10.9747								
	400m			9.9853								
	500m			7.7022								
	600m			5.903								
塩分	0m	34.5996	33.7989	34.557	31.8772	31.828	32.2517	32.0541	32.4577	32.8963	33.8782	33.5667
	10m	34.6004	33.8221	34.5505	31.9543	32.1479	32.2639	32.3005	32.4568	32.8963	33.8738	13:20
	20m	34.5933	33.8553	34.5501	32.674	32.775	32.6482	32.7231	32.4638	32.8945	33.9211	33.5898
	30m	34.5946	33.939	34.5503	33.5662			33.6611	32.9399	32.8987	34.0438	16:01
	50m	34.5942	34.2519	34.5489				33.76(40m)	33.66(40m)	33.7285		33.9246
	75m			34.5318								7:58
	100m			34.5514								
	150m			34.5098								
	200m			34.4934								
	250m			34.429								
	300m			34.4058								
	400m			34.3966								
	500m			34.3809								
	600m			34.3713								
溶存酸素 (ml/L)	0m											
	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD (mg/L)	0m	0.51	0.58	0.46	0.68	0.68	0.62	0.71	0.98	0.56	0.45	0.72
	10m	0.34	0.78	0.35	0.81			0.82	0.74	0.43	0.30	0.62
	30m	0.66	0.75	0.37	0.55			0.87	0.47	0.46	0.50	0.67
	50m	0.43	0.85	0.37				0.58(40m)	0.46(40m)	0.42		0.46
	100m			0.37								
	250m			0.11								
NH_4-N	0m	0.006	1.186	0.09	8.555	8.585	5.025	6.998	4.237	3.897	1.906	1.712
	10m	0.003	1.036	0.026	6.653			5.301	5.257	4.852	1.848	1.446
	30m	0.001	0.778	0.016	3.443			4.237	3.664	4.66	2.883	1.255
	50m	−0.002	0.766	0.019				2.71(40m)	6.03(40m)	2.325		1.544
	100m			−0.008								
	250m			0								
NO_2-N	0m	0.259	1.245	0.404	2.989	2.865	2.818	2.806	2.371	2.158	1.037	1.476
	10m	0.26	1.218	0.353	2.848			2.581	2.478	2.172	1.117	1.393
	30m	0.247	1.013	0.355	1.794			1.397	2.126	2.166	1.018	1.271
	50m	0.249	0.817	0.361				1.35(40m)	1.59(40m)	1.253		1.073
	100m			0.24								
	250m			0.02								
NO_3-N	0m	2.652	11.276	3.61	33.936	34.72	28.331	32.031	25.842	20.917	10.832	14.245
	10m	2.689	11.391	3.373	31.856			26.179	26.216	21.572	11.267	13.527
	30m	2.942	9.693	3.37	16.176			13.152	22.164	21.062	9.416	12.539
	50m	3.71	7.039	3.427				12.06(40m)	4.34(40m)	12.299		10.243
	100m			6.702								
	250m			19.587								
PO_4-P	0m	0.158	0.269	0.186	0.713	0.799	0.709	0.719	0.584	0.478	0.394	0.412
	10m	0.223	0.338	0.163	0.924			0.729	0.621	0.495	0.398	0.43
	30m	0.235	0.258	0.253	0.449			0.454	0.538	0.505	0.3	0.364
	50m	0.277	0.245	0.263				0.36(40m)	0.39(40m)	0.378		0.297
	100m			0.325								
	250m			0.853								

沿岸定線調査（令和2年(2020)年1月

測点		1	2	3	5	6	7	9	10	12	14
観測日		14	14	14	14	14	14	14	14	14	6
開始時間		14:36	14:06	13:24	11:48	10:58	10:25	9:38	9:05	8:33	10:15
終了時間		14:38	14:09	13:39	11:56	11:01	10:32	9:56	9:13	8:37	10:22
天気			BC		BC	BC		B		B	
気温(℃)			11.3		10.9	10.8		9.8		8.6	
気圧(hPa)			1018.9		1019.6	1020.3		1021.0		1019.9	
風向風力			S 2		W 1	E 1		NE 2		NE 3	
水色		7	5	6	5	5	4	4	4	5	5
透明度		14.5	19.0	18.0	20.0	20.0	23.0	22.0	28.0	23.0	20.0
波浪			N 1		W 1	SW 2		SW 2		S 2	
うねり			NE 1					NNE 2		NNE 2	
測点水深		64	142	588	335	162	1253	687	954	143	581
水温 (℃)	0m	17.8	18.3	18.0	18.1	18.0	18.2	17.9	18.0	18.0	18.7
	10m	17.6423	18.1703	18.0965	18.1933	18.0702	18.0881	17.8352	17.891	17.8674	18.7184
	20m	17.6298	18.1462	18.0517	18.2239	18.0741	18.0823	17.8328	17.8879	17.8584	18.7241
	30m	17.6255	18.1477	18.0069	18.2578	18.075	18.0424	17.8419	17.8906	17.8571	18.7178
	50m	17.6054	18.1753	17.9607	18.2423	18.0429	17.9968	17.8478	17.8949	17.8468	18.3971
	75m		17.7963	17.904	17.9003	17.4957	17.6437	17.8491	17.8985	17.7892	17.9623
	100m		17.1263	17.8864	17.1048		17.1066	17.8538	17.903	17.7382	17.8513
	150m			16.135	15.1327		15.3942	16.0837	15.5085		16.1372
	200m			13.0481	12.894		13.3717	13.1312	13.303		14.1357
	250m			11.8727	11.7211		12.0273	11.7964	11.6233		12.1072
	300m			10.8777				10.1828			
	400m			8.562				8.556			
	500m			6.4808				6.8373			
	600m							5.3214			
塩分	0m	34.5203	34.5696	34.5891	34.4959	34.5852	34.5905	34.5628	34.559	34.5434	34.5882
	10m	34.5226	34.5727	34.5868	34.518	34.5853	34.5902	34.5594	34.5603	34.546	34.588
	20m	34.5224	34.5726	34.5826	34.5724	34.5858	34.5895	34.5602	34.56	34.5437	34.588
	30m	34.5224	34.5768	34.5773	34.5882	34.5864	34.5879	34.5609	34.5605	34.5439	34.5888
	50m	34.5263	34.5886	34.5718	34.596	34.5856	34.588	34.5615	34.5589	34.5419	34.5681
	75m		34.5383	34.5638	34.5823	34.5863	34.5777	34.5598	34.5604	34.5292	34.5803
	100m		34.5094	34.5655	34.58	34.5753	34.5889	34.5604	34.5594	34.5196	34.5794
	150m			34.5803	34.5281		34.5546	34.586	34.5626		34.5695
	200m			34.468	34.4574		34.4826	34.4774	34.4824		34.5158
	250m			34.4108	34.4054		34.42	34.404	34.4016		34.4382
	300m			34.3575				34.3418			
	400m			34.2801				34.2867			
	500m			34.2951				34.2913			
	600m							34.3165			
溶存酸素 (ml/L)	0m										
	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD (mg/L)	0m	0.60	3.23	0.70	0.60	0.79	0.60	0.63	0.86	0.28	0.38
	10m	0.71		0.79	0.76	0.66		0.66		0.20	
	30m	0.66		0.70	0.58	0.57		0.82		0.23	
	50m	0.84		0.95	0.44	0.71		0.70		0.12	
	100m			0.54				0.81			
	250m			0.70				0.38			
NH_4-N	0m	0.779	1.987	0.815	0.471	0.354	0.674	0.542	0.395	0.889	0.04
	10m	0.437		0.403	0.222	0.19		0.213		0.934	
	30m	1.125		1.023	2.679	0.51		0.391		0.688	
	50m	0.271		2.246	0.196	0.291		1.291		0.574	
	100m			0.346				0.035			
	250m			0.581				0.541			
NO_2-N	0m	0.527	0.346	0.307	0.445	0.302	0.339	0.506	0.503	0.471	0.253
	10m	0.52		0.322	0.368	0.318		0.491		0.528	
	30m	0.521		0.375	0.395	0.309		0.502		0.479	
	50m	0.539		0.462	0.27	0.304		0.504		0.5	
	100m			0.341				0.461			
	250m			0.031				0.029			
NO_3-N	0m	4.649	3.818	4.099	11.699	4.058	3.989	4.546	4.264	4.369	2.95
	10m	4.456		4.053	3.993	3.953		4.494		4.473	
	30m	4.61		4.077	4.325	3.959		4.609		4.525	
	50m	4.607		4.293	3.979	4.04		4.521		4.463	
	100m			5.241				4.895			
	250m			18.952				19.661			
PO_4-P	0m	0.247	0.206	0.212	0.427	0.186	0.179	0.185	0.172	0.224	0.16
	10m	0.296		0.204	0.176	0.184		0.231		0.223	
	30m	0.25		0.3	0.251	0.245		0.314		0.228	
	50m	0.266		0.277	0.212	0.188		0.25		0.278	
	100m			0.277				0.191			
	250m			0.836				0.8			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和2年(2020)年1月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		6	7	7	7	7	6	6	6	6	6	14	14	14	14	6	6	6	6	6	7
開始時間		10:44	8:49	8:19	7:44	6:56	13:15	12:44	12:12	11:40	11:15	12:28	13:00	11:21	15:01	14:11	14:38	15:04	15:30	16:16	6:17
終了時間		10:50	8:57	8:26	7:52	7:16	13:33	12:51	12:19	11:48	11:17	12:30	13:01	11:28	15:06	14:18	14:45	15:11	15:37	16:23	6:25
天気		B	C		BC			BC		BC			BC		BC	BC		BC		BC	BC
気温(℃)		10.4	8.6		9.3			11.8		10.6			10.6		12.0	12.1		12.9		12.6	9.9
気圧(hPa)		1025.4	1025.8		1025.6			1023.9		1024.6			1018.3		1019.0	1023.7		1023.2		1023.8	1024.9
風向風力		N 3	NNE 3		NNE 4			N 2		NNE 3			SSE 2		SE 1	NNE 1		E 1		SSE 1	NE 4
水色		4	6	5	4	4	4	4	5	4	4	5	9	6	6	4	5	5	5	5	−
透明度		23.0	15.0	19.0	23.0	23.0	26.0	28.0	23.0	30.0	26.0	21.0	10.0	17.0	20.0	26.0	23.0	22.0	17.0	22.0	−
波浪		SW 3	S 2		S 3			SW 2		SW 3			N 1		NE 1	SW 1		SW 1		N 1	SSW 3
うねり		SW 1			S 1			SW 1		SW 1			NNE 1		N 2	SW 1				NNE 1	S 1
測点水深		188	422	863	1224	1501	1463	1548	829	542	82	67	26	695	261	431	527	1013	534	734	1384
水温	0m	19.0	18.5	18.5	19.1	19.1	19.4	19.3	19.5	19.1	18.5	18.1	17.1	18.0	18.0	19.4	19.5	19.0	18.9	19.2	18.9
(℃)	10m	18.8849	18.359	18.7154	19.051	19.1689	19.4773	19.2531	19.3231	19.2144	18.5928	18.2172	17.8132	17.9935	17.9461	19.4412	19.4068	19.045	18.9171	19.2329	18.9074
	20m	18.8925	18.359	18.6056	19.0558	19.1696	19.4695	19.2462	19.3195	19.2135	18.5608	18.207	17.8775	18.006	17.9216	19.3898	19.401	19.0188	18.9108	19.026	18.9137
	30m	18.8934	18.3498	18.45	19.0682	19.1653	19.4559	19.2474	19.3207	19.2116	18.5532	18.1828		18.0065	17.9118	19.3541	19.2942	18.9461	18.8675	18.9461	18.9159
	50m	18.8853	18.1689	18.2515	18.8708	19.1666	19.4423	19.2465	19.319	19.2046	18.4938	18.0795		18.1526	17.6936	19.3268	18.9853	18.8804	18.7043	18.6779	18.7162
	75m	18.8391	17.1837	17.5379	18.4624	18.5426	19.3709	19.2478	19.2762	19.1446				17.9089	17.596	19.2188	18.9361	18.4594	18.42	17.6492	18.298
	100m	18.7054	16.8318	16.8002	17.3279	18.0172	19.2148	19.2521	18.9057	18.9628				17.0772	16.7959	18.5425	18.6484	17.7481	17.4925	16.9409	16.8875
	150m	16.017	16.0529	15.2599	16.2282	16.1415	17.3439	17.8638	17.8407	17.8904				15.3171	14.4485	16.7034	16.1386	16.1578	15.6512	15.4583	15.2205
	200m		14.1083	13.0989	13.9316	13.8221	14.0928	14.5826	14.5179	14.9261				12.6482	13.2467	14.9113	14.5616	14.2721	14.2463	14.024	13.9506
	250m		11.8032	11.725	11.8573	12.4854	12.2178	12.5991	12.2817	12.4371				11.7344		12.0821	12.6299	12.6895	12.747	12.5204	12.2935
	300m					11.154	10.9609														
	400m					8.6904	8.6438														
	500m					7.1501	7.3595														
	600m					5.7071	5.9447														
塩分	0m	34.5883	34.599	34.5925	34.5902	34.592	34.6075	34.5851	34.5874	34.5893	34.575	34.5901	34.1343	34.5019	34.5606	34.6071	34.6051	34.5743	34.5761	34.5963	34.5652
	10m	34.5857	34.5997	34.5908	34.5904	34.591	34.6064	34.5844	34.587	34.5885	34.5748	34.5887	34.4845	34.5003	34.5569	34.6033	34.6049	34.5728	34.576	34.5976	34.5752
	20m	34.5886	34.5988	34.5854	34.5903	34.5908	34.6069	34.5835	34.587	34.5884	34.5746	34.5893	34.5394	34.5062	34.5553	34.6004	34.6046	34.5704	34.5752	34.5595	34.5751
	30m	34.5882	34.6	34.5864	34.5895	34.5912	34.6052	34.5838	34.5871	34.5879	34.5748	34.5877		34.5062	34.5525	34.5967	34.5939	34.5719	34.5792	34.5603	34.5753
	50m	34.584	34.591	34.5893	34.5699	34.5905	34.6026	34.5838	34.5867	34.5856	34.5748	34.5832		34.5617	34.517	34.597	34.569	34.5734	34.5642	34.5606	34.5726
	75m	34.5792	34.5808	34.5629	34.5823	34.5683	34.5908	34.5838	34.5852	34.5825				34.5751	34.5062	34.5939	34.5676	34.5615	34.5546	34.5774	34.5516
	100m	34.571	34.5937	34.5803	34.6079	34.5834	34.5782	34.5836	34.5789	34.572				34.5838	34.516	34.5776	34.5594	34.5685	34.5747	34.5965	34.5733
	150m	34.5416	34.5835	34.5485	34.5848	34.5698	34.587	34.5661	34.5726	34.5813				34.5296	34.5199	34.5881	34.5865	34.5963	34.5954	34.5592	34.5722
	200m		34.5131	34.4713	34.5026	34.5031	34.5204	34.5403	34.5402	34.5466				34.4492	34.4763	34.5565	34.5441	34.5291	34.5298	34.5055	34.5192
	250m		34.4144	34.407	34.4151	34.4421	34.4262	34.4459	34.4292	34.4412				34.4071		34.4181	34.4503	34.4519	34.4528	34.4396	34.4332
	300m					34.3783	34.3698														
	400m					34.2935	34.2731														
	500m					34.2863	34.2823														
	600m					34.2865	34.298														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	0.82	0.45	0.40	0.50	1.50	0.94	0.38	0.40	0.38	0.40	0.84	1.26	0.82	0.66	0.30	0.59	0.37	0.51	0.50	0.51
(mg/L)	10m					0.62	1.45					0.73									
	30m					0.56	0.29					0.65									
	50m					0.34	0.24					0.78									
	100m					0.43	0.18														
	250m					0.18	0.00														
NH_4-N	0m	0.043	−0.012	0.006	−0.016	0.07	0.11	0.078	0.038	0.118	0.108	0.398	3.622	0.359	0.739	0.082	0.052	0.029	0.029	0.028	0.022
	10m					0.13	0.11					0.379									
	30m					0.02	0.03					0.356									
	50m					0.02	0.05					1.097									
	100m					*****	0.05														
	250m					0.00	0.01														
NO_2-N	0m	0.275	0.227	0.302	0.304	0.32	0.32	0.309	0.318	0.29	0.351	0.233	0.973	0.385	0.403	0.269	0.259	0.286	0.249	0.269	0.316
	10m					0.31	0.31					0.26									
	30m					0.30	0.31					0.288									
	50m					0.31	0.32					0.29									
	100m					0.12	0.30														
	250m					0.02	0.01														
NO_3-N	0m	2.61	2.899	2.562	2.75	2.63	2.19	2.297	2.344	2.34	3.137	3.649	21.322	3.766	4.164	2.134	1.915	2.325	2.452	2.029	2.479
	10m					2.58	2.20					3.836									
	30m					2.62	2.18					4.054									
	50m					2.58	2.26					4.751									
	100m					6.52	3.42														
	250m					17.58	18.14														
PO_4-P	0m	0.14	0.16	0.138	0.148	0.17	0.15	0.127	0.121	0.141	0.149	0.197	0.799	0.162	0.176	0.126	0.113	0.132	0.135	0.115	0.133
	10m					0.22	0.13					0.213									
	30m					0.22	0.13					0.268									
	50m					0.21	0.18					0.274									
	100m					0.34	0.16														
	250m					0.94	0.84														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和2年(2020)年2月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		10:02	8:41	8:51	11:29	11:51	11:03	10:42	10:19	9:55	9:28	9:08
開始時間		10:04	8:44	9:15	11:30	11:52	11:04	10:44	10:21	9:58	9:30	9:11
終了時間			BC	BC		B	BC		BC		BC	
天気			10.2	5.1		11.9	11.7		10.4		10.7	
気温(℃)			1012.5	1019.9		1008.7	1010.0		1011.2		1011.7	
気圧(hPa)			W 4	N 5		SW 4	W 3		W 3		WSW 3	
風向風力		8	12	6	13	13	13	13	13	13	12	12
水色		8.0	7.0	12.0	7.0	6.0	6.5	8.0	7.0	6.5	8.5	8.0
透明度			NE 3	SW 4		NE 3	NE 2		E 2		NE 2	
波浪				SW 1								
うねり		82	111	681	33.0	28.2	30.0	43.0	45.8	59.5	45	72
測点水深		14.8	12.0	16.5	11.2	11.4	11.3	11.5	11.2	11.3	11.4	12.0
水温 (℃)	0m	15.0053	15.0119	16.5466	11.2848	11.6469	11.494	11.2895	11.3019	12.2116	12.1378	12.343
	10m	15.6602	17.0656	16.5478	13.7608	14.4135	14.6505	12.941	12.286	15.5835	14.6027	16.0466
	20m	16.3057	16.9958	16.5682	14.8028			15.541	15.2216	16.1389	16.2578	16.7161
	30m	16.3155	16.9393	16.5355				15.27(40m)	15.44(40m)	15.8558		16.8739
	50m			16.0124								
	75m			14.9877								
	100m			12.7574								
	150m			11.8854								
	200m			11.3044								
	250m			10.0974								
	300m			9.0242								
	400m			7.1339								
	500m			5.5166								
	600m	33.9267	32.2343	34.5521	31.058	30.6641	31.4039	31.2028	31.4233	31.4434	31.6319	32.17
塩分	0m	33.9514	33.8517	34.5325	31.3585	31.598	31.5319	31.4743	31.4234	32.0874	32.159	32.4487
	10m	34.2494	34.6074	34.5321	33.4072	33.8861	33.7965	32.7186	32.2765	34.1514	33.66	34.1727
	20m	34.5349	34.5951	34.5393	34.0987			34.2489	34.1749	34.3504	34.3709	34.4663
	30m	34.5548	34.5929	34.5516				34.26(40m)	34.29(40m)	34.3363		34.5612
	50m			34.568								
	75m			34.5308								
	100m			34.4526								
	150m			34.4285								
	200m			34.4092								
	250m			34.3756								
	300m			34.3737								
	400m			34.3672								
	500m			34.3482								
	600m											
溶存酸素 (ml/L)	0m											
	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD (mg/L)	0m	0.27	0.74	0.77	1.39	1.50	1.36	1.23	1.25	0.65	0.44	0.71
	10m	0.26	0.60	0.74	0.85			1.28	1.14	1.17	0.41	0.68
	30m	0.16	0.52	0.51	1.28			0.64	0.69	0.70	0.26	0.60
	50m	0.14	0.26	0.40				0.46(40m)	0.58(40m)	0.56		0.28
	100m			0.21								
	250m			0.22								
NH_4-N	0m	0.503	5.232	−0.16	9.13	12.438	9.225	8.395	7.829	7.699	7.526	6.856
	10m	0.583	1.51	0.01	1.215			7.472	7.761	7.747	6.488	4.018
	30m	−0.066	−0.16	−0.122	8.177			0.609	1.097	0.456	0.378	0.033
	50m	−0.094	−0.049	−0.094				0.85(40m)	0.90(40m)	0.526		0.021
	100m			−0.167								
	250m			−0.148								
NO_2-N	0m	0.817	1.79	0.375	2.266	2.48	2.243	2.252	2.298	2.292	2.176	1.913
	10m	0.811	0.973	0.354	0.81			2.252	2.105	2.187	1.893	1.587
	30m	0.382	0.363	0.355	2.254			0.833	0.813	0.595	0.54	0.421
	50m	0.373	0.396	0.293				0.76(40m)	0.76(40m)	0.648		0.472
	100m			0.1								
	250m			0.01								
NO_3-N	0m	11.107	1.79	5.873	36.153	40.855	33.362	35.708	33.04	32.778	31.442	27.022
	10m	11.001	0.973	5.598	12.545			32.814	32.63	31.496	27.571	22.333
	30m	6.047	0.363	5.611	34.356			9.847	11.541	7.637	7.062	5.631
	50m	6	0.396	6.643				10.55(40m)	0.39(40m)	8.351		4.929
	100m			12.104								
	250m			21.884								
PO_4-P	0m	0.315	0.507	0.217	0.678	0.883		0.756	0.581	0.645	0.823	0.637
	10m	0.324	0.389	0.274	0.508		0.77	0.973	0.999	0.802	0.695	0.728
	30m	0.377	0.262	0.283	0.83			0.364	0.5	0.271	0.397	0.301
	50m	0.298	0.252	0.294				0.41(40m)	0.49(40m)	0.374		0.253
	100m			0.482								
	250m			0.969								

沿岸定線調査（令和2年(2020)年2月

測点		1	2	3	5	6	7	9	10	12	14
観測日		14:27	13:55	13:11	11:33	10:40	10:06	9:18	8:46	8:17	9:46
開始時間		14:30	13:58	13:26	11:41	10:44	10:14	9:37	8:54	8:21	9:55
終了時間			C		BC	BC		C		BC	
天気			10.1		10.3	10.6		10.1		9.3	
気温(℃)			1019.9		1021.1	1021.4		1020.0		1020.9	
気圧(hPa)			ENE 3		E 2	ENE 2		NE 4		NE 5	
風向風力		7	5	6	6	6	5	5	7	6	5
水色		11.5	15.0	14.0	15.0	14.0	13.0	14.0	9.0	11.0	14.0
透明度			W 3		W 2	SW 2		SW 3		SSW 2	
波浪					W 1	SSW 1		SSW 1		SSW 1	
うねり		64	136	598	305	158	1253	678	963	162	568
測点水深		15.5	16.0	16.6	16.4	16.4	16.4	16.5	15.3	15.5	16.5
水温 (℃)	0m	15.4664	16.0871	16.6092	16.56	16.3903	16.3854	16.5213	15.2558	15.4193	16.4852
	10m	15.9156	16.0737	16.6064	16.3225	16.4016	16.3862	16.5212	16.3384	15.6602	16.4853
	20m	16.1611	16.0723	16.6032	16.3439	16.5843	16.3917	16.5283	16.4714	15.6083	16.4726
	30m	16.1121	16.064	16.6022	16.431	16.4893	16.5092	16.5355	16.7028	15.6395	16.4882
	50m		16.0338	16.5844	16.3922	16.3679	16.2504	16.5257	16.1149	16.357	16.2574
	75m		16.0206	15.7916	16.4196	16.2501	15.9654	16.2294	15.4529	15.8883	14.625
	100m			13.5739	13.8115		13.9887	14.0097	14.2315		12.921
	150m			12.538	12.9614		12.7294	12.7897	12.645		12.2393
	200m			11.6028	12.0077		11.7519	11.92	11.8202		11.1829
	250m			10.7213				11.2349			
	300m			8.8849				8.7247			
	400m			6.9165				6.9571			
	500m							5.54			
	600m	34.1297	34.489	34.5466	34.3779	34.4757	34.4896	34.5385	34.0113	34.1705	34.6112
塩分	0m	34.1341	34.4872	34.5461	34.5264	34.4616	34.4861	34.5375	33.968	34.1205	34.611
	10m	34.3477	34.4862	34.5454	34.4731	34.4667	34.4858	34.5377	34.3601	34.1925	34.6111
	20m	34.4368	34.4865	34.5458	34.4853	34.5358	34.487	34.5382	34.4142	34.1719	34.6114
	30m	34.465	34.485	34.5451	34.5125	34.5489	34.5311	34.539	34.5391	34.1839	34.61
	50m		34.4753	34.5423	34.514	34.546	34.5459	34.5402	34.5461	34.498	34.5822
	75m		34.4752	34.5343	34.5373	34.5454	34.5374	34.5408	34.5435	34.5306	34.5304
	100m			34.4908	34.5001		34.5006	34.5094	34.5194		34.4603
	150m			34.4463	34.4652		34.4548	34.4617	34.4523		34.43
	200m			34.4036	34.4233		34.4066	34.4253	34.4138		34.3975
	250m			34.369				34.3922			
	300m			34.3079				34.2955			
	400m			34.2928				34.2931			
	500m							34.2986			
	600m										
溶存酸素 (ml/L)	0m										
	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD (mg/L)	0m	0.81	0.37	0.26	0.43	0.38	0.27	0.42	0.34	0.58	0.58
	10m	0.73		0.34	0.29	0.38		0.34		0.45	
	30m	0.55		0.34	0.26	0.22		0.30		0.38	
	50m	0.39		0.30	0.19	0.26		0.27		0.27	
	100m			0.29				0.08			
	250m			0.21				0.10			
NH_4-N	0m	0.502	−0.007	−0.234	−0.127	0.181	0.319	−0.116	1.286	0.734	−0.085
	10m	0.328		−0.07	−0.151	−0.148		−0.161		0.515	
	30m	−0.019		1.699	−0.137	0.112		−0.14		0.532	
	50m	−0.117		−0.188	−0.155	−0.185		−0.154		0.501	
	100m			−0.167				−0.178			
	250m			−0.177				−0.167			
NO_2-N	0m	0.676	0.533	0.519	0.501	0.452	0.491	0.548	0.84	0.728	0.272
	10m	0.667		0.526	0.505	0.43		0.513		0.661	
	30m	0.55		0.507	0.513	0.558		0.587		0.594	
	50m	0.53		0.53	0.467	0.449		0.575		0.67	
	100m			0.235				0.441			
	250m			0.011				0.01			
NO_3-N	0m	9.115	6.08	5.121	6.086	4.992	5.17	5.561	10.857	9.402	5.927
	10m	8.684		5.195	5.369	5.129		5.381		8.683	
	30m	6.42		4.803	5.641	5.911		5.414		8.947	
	50m	6.142		5.16	5.651	6.939		5.348		8.805	
	100m			9.378				7.577			
	250m			19.922				19.327			
PO_4-P	0m	0.208	0.223	0.266	0.193	0.163	0.209	0.182	0.277	0.294	0.22
	10m	0.294		0.266	0.353	0.222		0.244		0.347	
	30m	0.325		0.221	0.314	0.255		0.28		0.337	
	50m	0.361		0.233	0.34	0.292		0.283		0.447	
	100m			0.34				0.352			
	250m			0.757				0.727			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和2年(2020)年2月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		6	7	7	7	7	6	6	6	6	6	4	4	4	4	6	6	6	6	7	7
開始時間		10:15	9:37	9:02	8:28	7:45	13:13	12:38	11:59	11:13	10:46	12:13	12:47	11:05	14:54	14:10	14:41	15:07	15:33	6:28	7:08
終了時間		10:22	9:45	9:09	8:35	8:09	13:32	12:47	12:07	11:23	10:49	12:15	12:48	11:12	14:59	14:19	14:49	15:14	15:40	6:36	7:16
天気		BC	BC		BC	BC	C		BC				BC		BC			BC		C	
気温(℃)		6.8	3.6		3.9	3.7	7.8		8.0				11.9		10.8			8.9		3.4	
気圧(hPa)		1020.4	1029.0		1029.4	1029.3	1020.3		1020.7				1020.1		1019.7			1022.1		1029.3	
風向風力		NNE 6	NE 1		N 2	NE 3	NNE 3		NE 4				ENE 2		NNE 1			NE 2		NE 3	
水色		5	8	6	4	5	4	4	4	5	4	6	8	6	7	4	5	5	6	5	5
透明度		15.0	10.0	17.0	20.0	16.5	21.0	22.0	18.0	18.0	18.0	16.0	12.0	14.0	13.0	21.0	17.0	17.0	15.0	16.0	15.0
波浪		SW 4	SSW 2		S 3	SSW 3	SSW 2		SW 4				W 1		SW 2			S 2		SW 2	
うねり		SW 2			S 1	SW 1	SW 1		SW 2									S 2		SW 1	
測点水深		201	391	861	1233	1503	1510	1540	849	448	83	70	25.3	653	242	444	477	1015	525	716	1387
水温 (℃)	0m	16.5	15.3	15.7	16.8	16.6	17.0	18.1	17.9	17.7	16.2	16.3	16.0	16.4	16.0	18.3	17.5	17.3	16.4	16.4	16.0
	10m	16.4553	15.251	15.6984	16.8555	16.8281	16.8863	18.2166	17.9181	17.7379	16.1405	16.3943	16.5638	16.4758	15.8548	18.1203	17.3489	17.3271	16.516	16.2955	16.1353
	20m	16.4482	15.598	15.7001	16.8522	16.8155	16.8522	17.9049	17.9145	17.7161	16.1367	16.5558	16.5301	16.6899	15.8729	17.9339	17.3448	17.1008	16.5199	16.293	16.1522
	30m	16.4488	16.0389	15.6864	16.8522	16.7435	16.7499	17.4858	17.9107	17.4766	16.1066	16.5531		16.723	15.8893	17.7689	17.3112	16.9604	16.5309	16.2943	16.1489
	50m	16.0753	16.1128	15.6534	16.857	16.7015	16.4809	17.1718	17.3412	17.324	15.9609	16.5339		16.597	16.1273	17.4208	16.8884	16.8445	16.522	16.2968	16.1553
	75m	15.0681	16.1022	15.4714	16.6847	16.6135	15.2554	17.1629	16.6175	16.777				16.2708	16.2729	16.2136	16.8263	16.5703	16.1948	16.2972	16.1612
	100m	14.4248	14.9993	15.1738	15.2073	16.4736	13.7112	16.9034	16.2989	16.4454				15.7945	16.2854	15.1848	16.4607	15.8137	15.3222	16.2992	16.1606
	150m	12.8015	12.7088	13.3039	13.0575	13.5148	12.7681	14.4699	14.9268	14.5252				14.216	15.3371	13.6854	13.38	13.1595	13.8479	14.1008	14.855
	200m		11.9702	12.0796	11.7499	12.3763	12.5909	13.7745	12.1733	12.3833				13.094	12.6727	11.675	12.8088	12.1816	12.5812	13.2759	12.9586
	250m		11.0942	10.9789	10.8895	11.3371	11.9212	12.3798	11.8379	11.5148				11.797		11.1311	11.7269	11.4353	11.4728	11.4695	11.4737
	300m					10.0856	10.7616														
	400m					9.2174	10.1055														
	500m					7.6973	8.2231														
	600m					6.1295	6.0528														
塩分	0m	34.6106	34.0857	34.3446	34.638	34.6368	34.6559	34.6907	34.6895	34.6883	34.581	34.388	34.2692	34.4493	34.2353	34.6879	34.6454	34.6628	34.5677	34.5595	34.5209
	10m	34.6106	34.083	34.3472	34.6385	34.6383	34.6555	34.6887	34.6879	34.6853	34.5769	34.442	34.5606	34.4782	34.2359	34.6824	34.6422	34.644	34.5667	34.5592	34.5251
	20m	34.6113	34.2376	34.3463	34.6385	34.6358	34.6483	34.6752	34.688	34.6818	34.5773	34.5384	34.5567	34.5504	34.2449	34.6755	34.6415	34.6365	34.5664	34.5595	34.5241
	30m	34.6104	34.4434	34.3449	34.6387	34.6265	34.6421	34.6645	34.6875	34.6592	34.5753	34.5386		34.5662	34.2542	34.6673	34.6399	34.6282	34.5696	34.5596	34.5232
	50m	34.5816	34.4734	34.3455	34.6384	34.6212	34.6326	34.6599	34.6715	34.6503	34.5755	34.5407		34.5464	34.3833	34.66	34.6021	34.6219	34.5687	34.5595	34.5224
	75m	34.5439	34.5078	34.5341	34.616	34.6077	34.5767	34.6606	34.6617	34.6036				34.5235	34.444	34.62	34.5993	34.6007	34.5438	34.559	34.5215
	100m	34.5202	34.5126	34.5387	34.5491	34.5791	34.5069	34.6524	34.6551	34.5644				34.5497	34.4801	34.6016	34.5784	34.5774	34.5229	34.5591	34.5206
	150m	34.4509	34.4505	34.4789	34.4574	34.4851	34.4558	34.5483	34.5863	34.5161				34.5149	34.493	34.5142	34.4944	34.4588	34.4991	34.5022	34.5328
	200m		34.4247	34.4143	34.3885	34.4393	34.4466	34.5161	34.4189	34.4317				34.4718	34.4529	34.4015	34.4592	34.4233	34.4497	34.4803	34.4621
	250m		34.3882	34.3787	34.3502	34.3625	34.407	34.4374	34.4057	34.3838				34.416		34.363	34.3995	34.384	34.3989	34.3941	34.3961
	300m					34.314	34.3373														
	400m					34.3032	34.3042														
	500m					34.2904	34.2954														
	600m					34.3001	34.2867														
溶存酸素 (ml/L)	0m																				
	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD (mg/L)	0m	0.30	0.27	0.35	0.14	0.96	0.46	0.54	0.54	0.69	0.54	0.43	0.43	0.38	0.58	0.59	0.58	0.53	2.45	0.34	0.53
	10m					0.35	0.38					0.21									
	30m					0.27	0.53					0.29									
	50m					0.29	0.40					0.21									
	100m					0.24	0.34														
	250m					0.06	0.16														
NH_4-N	0m	−0.118	0.256	0.097	−0.066	−0.11	0.30	−0.099	−0.124	−0.084	−0.097	−0.089	8.608	−0.045	0.602	−0.106	−0.115	−0.08	−0.13	−0.145	−0.096
	10m					−0.12	0.32					−0.177									
	30m					−0.13	0.19					−0.185									
	50m					−0.14	0.12					−0.15									
	100m					−0.16	−0.06														
	250m					−0.18	−0.13														
NO_2-N	0m	0.277	0.66	0.581	0.298	0.30	0.21	0.311	0.258	0.258	0.3	0.508	2.286	0.421	0.606	0.294	0.31	0.267	0.461	0.507	0.517
	10m					0.29	0.21					0.5									
	30m					0.31	0.21					0.454									
	50m					0.32	0.20					0.444									
	100m					0.40	0.05														
	250m					0.01	0.01														
NO_3-N	0m	5.965	9.686	7.627	5.028	5.01	6.22	3.069	3.556	3.505	6.791	5.901	71.364	5.359	8.018	3.109	3.764	4.279	5.16	5.616	5.971
	10m					4.97	6.24					5.196									
	30m					5.09	6.62					5.147									
	50m					5.12	7.10					5.172									
	100m					5.79	12.58														
	250m					19.46	18.40														
PO_4-P	0m	0.218	0.238	0.251	0.287	0.20	0.33	0.141	0.151	0.155	0.228	0.174	1.396	0.169	0.261	0.16	0.141	0.195	0.162	0.186	0.225
	10m					0.30	0.32					0.271									
	30m					0.30	0.42					0.301									
	50m					0.29	0.41					0.261									
	100m					0.29	0.81														
	250m					0.96	0.93														

塩分は2m塩分。　*****は検出限界値。

浅海定線調査（令和2年(2020)年3月

測点		13	27	29	112	117	118	123	124	129	134	136
観測日		7	2	6	2	2	2	2	2	2	2	2
開始時間		8:49	9:07	8:51	12:07	12:29	11:41	11:16	10:54	10:28	9:59	9:37
終了時間		8:51	9:10	9:10	12:09	12:30	11:42	11:19	10:55	10:31	10:01	9:40
天気			R	B		O	O		O		R	
気温(℃)			8.3	10.1		7.4	7.3		7.3		7.7	
気圧(hPa)			1016.5	1017.1		1014.7	1015.7		1016.3		1016.4	
風向風力			N 6	NNE 5		N 3	N 5		N 4		N 6	
水色		9	8	6	15	16	15	15	14	14	14	13
透明度		7.0	11.0	16.0	3.5	3.0	3.5	3.0	4.0	4.5	4.0	6.0
波浪			S 3	S 3		SSW 2	S 3		S 2		S 2	
うねり			S 1	NNE 1		NW 1	S 1		S 1		S 1	
測点水深		80	93	540	32.8	27.5	30.5	42.3	35.0	59.5	38	77
水温 (℃)	0m	14.2	15.4	16.2	12.4	12.2	12.1	12.5	12.5	12.7	13.0	13.5
	10m	14.6828	15.2741	16.2099	12.4053	12.2539	12.3345	12.5271	12.5674	12.7018	13.1238	13:18
	20m	15.7544	15.3295	16.2107	12.4351	12.3272	13.4621	13.3859	12.6359	12.8045	13.4814	14.6512
	30m	16.0346	15.3345	16.2095	14.0753			14.4786	14.1918	13.7859	14.8239	0:12
	50m	15.8833	15.1867	16.1634				14.51(40m)		14.8996		15.5665
	75m			15.5362								6:56
	100m			15.1951								
	150m			13.9006								
	200m			12.3747								
	250m			11.5067								
	300m			10.6496								
	400m			9.4151								
	500m			7.6								
	600m											
塩分	0m	33.7458	34.3101	34.5996	32.2485	31.5132	32.3708	31.8611	32.5611	32.6923	33.1101	33.3753
	10m	33.9893	34.323	34.6238	32.2569	31.6558	32.4048	32.4151	32.5622	32.6966	33.1071	10:46
	20m	34.4491	34.3366	34.6234	32.3844	32.317	33.3742	33.3378	32.6095	32.7905	33.392	34.0662
	30m	34.6008	34.3458	34.6224	33.8394			34.1292	33.8996	33.5834	34.2638	14:26
	50m	34.5949	34.425	34.6122				34.16(40m)		34.3318		34.5157
	75m			34.5748								10:52
	100m			34.5616								
	150m			34.5044								
	200m			34.439								
	250m			34.422								
	300m			34.4022								
	400m			34.3664								
	500m			34.3638								
	600m											
溶存酸素 (ml/L)	0m											
	10m											
	20m											
	30m											
	50m											
	75m											
	100m											
	150m											
	200m											
	250m											
	300m											
	400m											
	500m											
	600m											
COD (mg/L)	0m	1.03	0.38	0.54	1.15	2.62	0.62	0.80	0.75	0.66	0.69	0.83
	10m	1.03	0.43	0.56	0.93			0.69	0.46	0.54	0.77	0.80
	30m	0.73	0.27	0.54	0.45			0.64	0.40	0.35	0.51	0.40
	50m	0.79	0.32	0.46				0.35(40m)		0.40		0.27
	100m			0.45								
	250m											
NH4-N	0m	0.074	−0.028	−0.088	0.565	1.348	0.347	0.931	0.805	0.809	0.51	0.269
	10m	0.095	−0.067	−0.09	0.411			0.567	0.215	0.725	0.884	0.224
	30m	−0.024	−0.09	−0.091	1.595			0.816	0.512	0.556	0.141	−0.119
	50m	−0.019	−0.029	−0.086				0.85(40m)		0.089		−0.102
	100m			−0.119								
	250m			−0.119								
NO2-N	0m	0.751	0.457	0.371	1.552	2.191	1.486	1.879	1.354	1.35	1.082	0.865
	10m	0.668	0.455	0.335	1.545			1.503	1.345	1.354	1.066	0.928
	30m	0.376	0.435	0.334	0.775			0.601	0.661	0.767	0.577	0.329
	50m	0.444	0.502	0.332				0.57(40m)		0.507		0.376
	100m			0.282								
	250m			0.016								
NO3-N	0m	12.937	8.471	4.609	24.953	37.305	25.437	33.534	24.084	23.626	20.248	17.906
	10m	11.187	8.557	4.489	24.977			25.257	24.114	23.711	20.053	17.514
	30m	5.331	8.229	4.45	15.263			13.241	14.678	16.247	11.921	5.942
	50m	6.353	8.537	4.62				13.09(40m)		10.471		6.506
	100m			10.008								
	250m			22.002								
PO4-P	0m	0.292	0.277	0.277	0.335	0.626	0.362	0.828	0.534	0.308	0.344	0.286
	10m	0.342	0.379	0.322	0.414			0.561	0.539	0.516	0.584	0.511
	30m	0.405	0.407	0.348	0.736			0.7	0.536	0.699	0.39	0.435
	50m	0.417	0.48	0.354				0.60(40m)		0.47		0.347
	100m			0.588								
	250m			1.257								

沿岸定線調査（令和2年(2020)年3月

測点		1	2	3	5	6	7	9	10	12	14
観測日		3	3	3	3	3	3	3	3	3	6
開始時間		14:15	13:45	13:02	11:26	10:35	10:03	9:15	8:44	8:12	9:24
終了時間		14:18	13:48	13:17	11:34	10:39	10:10	9:33	8:51	8:16	9:49
天気			B		BC	BC		BC		BC	
気温(℃)			13.7		12.6	12.4		10.6		9.9	
気圧(hPa)			1020.1		1021.0	1021.3		1021.2		1020.4	
風向風力			SSW 1		SSE 2	SE 1		NW 2		NW 2	
水色		8	6	6	8	6	6	5	5	5	5
透明度		12.0	17.0	15.0	12.0	16.0	18.0	18.5	20.0	19.0	20.0
波浪			NNE 1		N 1	N 1		SSE 2		SSE 2	
うねり					N 1	NW 1		SSW 1			
測点水深		65	114	599	306	149	1251	685	970	156	615
水温 (℃)	0m	15.5	16.7	15.5	15.6	15.5	16.3	15.8	17.0	17.0	16.3
	10m	15.0904	16.3537	15.4234	15.5701	15.523	16.2696	16.4373	16.9919	16.843	16.4057
	20m	15.0737	16.2647	15.4396	15.5512	15.5849	16.1597	16.3142	16.9922	16.8537	16.4067
	30m	15.0544	15.9293	15.348	15.4682	15.688	15.9376	15.9303	16.9926	16.8475	16.405
	50m	15.0641	15.1998	15.4538	15.4832	15.6926	15.882	15.8081	16.3265	16.1403	16.1045
	75m		15.377	15.4577	15.5366	15.6953	15.5162	15.6644	15.155	15.7514	15.3979
	100m		15.4003	15.4027	15.232	15.1848	14.7911	15.1864	14.7524	14.8946	14.4213
	150m			13.8714	13.755		13.4139	14.1421	13.0506		13.2045
	200m			12.4353	13.0094		12.6249	13.0597	11.739		12.245
	250m			10.9319	11.6211		11.5548	11.2518	10.9095		11.6644
	300m			10.3407				10.138			
	400m			8.9192				8.329			
	500m			7.5243				7.0846			
	600m							6.0206			
塩分	0m	34.2642	34.6199	34.4178	34.3105	34.4501	34.6116	34.6216	34.6461	34.6422	34.6422
	10m	34.3127	34.6134	34.4258	34.4705	34.4713	34.608	34.6209	34.6456	34.6441	34.6419
	20m	34.357	34.6099	34.4439	34.4997	34.5183	34.5975	34.5916	34.6455	34.6442	34.6422
	30m	34.3687	34.5244	34.4321	34.5021	34.5704	34.5898	34.5529	34.6462	34.644	34.6423
	50m	34.3826	34.3877	34.5171	34.5218	34.5766	34.6106	34.5454	34.6061	34.6025	34.6146
	75m		34.47	34.5241	34.5671	34.5876	34.5856	34.5556	34.5689	34.5824	34.5671
	100m		34.4926	34.5332	34.5507	34.5332	34.547	34.5653	34.557	34.5452	34.5287
	150m			34.5026	34.4937		34.4849	34.5199	34.47		34.4785
	200m			34.44	34.4607		34.4514	34.4735	34.4108		34.4374
	250m			34.3726	34.4037		34.399	34.3859	34.3726		34.4059
	300m			34.3519				34.3359			
	400m			34.3005				34.2876			
	500m			34.28				34.2878			
	600m							34.2916			
溶存酸素 (ml/L)	0m										
	10m										
	20m										
	30m										
	50m										
	75m										
	100m										
	150m										
	200m										
	250m										
	300m										
	400m										
	500m										
	600m										
COD (mg/L)	0m	0.67	0.98	0.70	0.16	0.32	0.29	0.34	0.94	0.35	0.90
	10m	0.75		1.10	0.70	0.94		0.48		0.32	
	30m	0.54		0.88	0.64	0.42		0.42		0.19	
	50m	0.64		0.56	0.58	0.19		0.38		0.32	
	100m			0.51				0.45			
	250m			0.54				0.16			
NH4-N	0m	0.071	−0.028	0.36	−0.053	0.037	−0.057	0.004	−0.078	0	−0.059
	10m	0.098		0.025	−0.084	−0.062		−0.093		−0.108	
	30m	0.059		0.017	0	−0.055		−0.06		−0.126	
	50m	0.032		0.003	−0.011	−0.077		−0.1		−0.128	
	100m			−0.009				−0.126			
	250m			−0.103				−0.145			
NO2-N	0m	0.505	0.368	0.444	0.465	0.499	0.404	0.411	0.321	0.399	0.334
	10m	0.49		0.422	0.553	0.458		0.386		0.383	
	30m	0.429		0.426	0.555	0.383		0.476		0.388	
	50m	0.412		0.43	0.527	0.391		0.483		0.359	
	100m			0.423				0.312			
	250m			0.01				0.011			
NO3-N	0m	9.234	4.83	7.815	8.347	7.257	4.911	4.428	3.983	4.111	5.458
	10m	8.874		7.403	7.626	7.193		4.401		4.168	
	30m	8.27		7.537	8.166	6.647		6.008		4.126	
	50m	8.049		7.439	7.958	6.728		6.282		7.593	
	100m			7.989				9.667			
	250m			22.719				22.141			
PO4-P	0m	0.319	0.288	0.409	0.321	0.292	0.328	0.282	0.27	0.259	0.25
	10m	0.476		0.364	0.413	0.455		0.343		0.315	
	30m	0.354		0.424	0.472	0.464		0.419		0.338	
	50m	0.399		0.538	0.442	0.42		0.428		0.539	
	100m			0.521				0.561			
	250m			1.221				0.867			

塩分は2m塩分。　*****は検出限界値。

沿岸定線調査（令和2年(2020)年3月

測点		15	16	17	18	19	22	23	24	25	26	A	B	D	H	イ	ロ	ハ	ニ	ホ	ヘ
観測日		6	7	7	7	7	6	6	6	6	6	3	3	3	3	6	6	6	6	6	6
開始時間		10:10	8:22	7:48	7:14	6:30	13:04	12:27	11:48	11:08	10:41	12:06	12:38	10:59	14:40	14:03	14:32	14:59	15:25	16:55	16:17
終了時間		10:18	8:30	7:57	7:23	6:50	13:24	12:36	11:56	11:17	10:44	12:09	12:40	11:06	14:46	14:10	14:39	15:06	15:33	17:02	16:26
天気		B	O			O		B		B			BC			BC		BC			BC
気温(℃)		10.5	8.3			9.4		12.9		12.0			12.7			13.0		13.4			13.4
気圧(hPa)		1017.1	1023.6			1022.6		1016.8		1017.3			1020.4			1016.3		1016.7			1017.3
風向風力		NNE 4	NNE 5			N 5		NE 1		NNE 2			SE 1			ENE 2		SSE 3			ESE 1
水色		6	7	7	5	4	4	4	5	5	6	6	6	7	8	5	5	5	4	7	6
透明度		17.0	12.0	13.0	19.0	23.0	28.0	24.0	22.0	20.0	20.0	15.0	15.0	12.0	12.0	22.0	22.0	22.0	26.0	14.0	16.0
波浪		S 3	S 3			S 4		NW 2		SW 2			N 1			SW 2		NNW 1			NW 1
うねり		NNE 2	SW 1			SW 1		NW 1		NNE 2			N 1			NE 2		NE 2			NW 1
測点水深		238	481	867	1227	1505	1478	1523	848	539	79	68	35	658	246	421	481	1024	538	748	1392
水温	0m	16.3	15.9	16.1	16.7	16.5	16.6	18.1	18.0	17.9	16.8	15.7	16.4	15.4	15.5	18.1	17.9	17.9	17.3	16.0	17.2
(℃)	10m	16.2511	15.9794	15.89	16.8592	16.5755	16.4554	17.7557	17.9253	17.864	16.8593	15.529	15.3497	15.5646	15.4242	17.8052	17.8778	17.7131	17.1935	16.0748	16.9334
	20m	16.246	16.0111	15.8898	16.834	16.5679	16.4386	17.0554	17.4862	17.5997	16.8312	15.5336	15.3011	15.6686	15.4168	17.5596	17.84	17.6808	17.0349	15.7945	16.7534
	30m	16.2187	16.1561	15.9106	16.8051	16.5592	16.4183	17.0614	17.1652	17.045	16.679	15.5366	15.2991	15.6628	15.3785	17.2308	17.8148	17.6158	16.6539	15.7982	16.7089
	50m	16.0782	15.8956	15.9356	16.3743	16.4881	16.419	16.6783	16.6232	16.7365	16.3079	15.5035		15.6579	15.3451	16.4235	17.2193	17.4712	16.4801	15.7708	16.0141
	75m	15.0361	15.1038	15.7715	15.5839	15.6336	16.3267	16.4057	16.1686	16.6789				15.5997	15.2327	15.9014	16.9115	17.0541	16.0838	15.7143	15.7006
	100m	14.4472	14.4864	15.5516	14.7687	15.266	15.5352	16.1328	15.738	16.1992				15.0274	15.2953	15.1919	16.0835	15.966	15.0784	15.606	15.4061
	150m	13.5573	12.3972	13.3784	12.981	13.8541	13.7913	13.6203	13.0735	15.6239				14.0728	13.3898	14.0594	13.2988	13.7466	13.2314	13.8151	13.9349
	200m	12.5837	11.8833	11.5843	12.1071	11.9746	12.7157	12.8274	12.5178	12.8704				12.8056	12.3042	13.6189	11.7983	12.139	12.2797	12.762	12.8207
	250m		10.9347	10.5959	11.4532	11.038	11.2927	12.058	11.8763	12.1876				12.0649		11.3376	11.3542	11.1817	11.4255	11.5802	11.3532
	300m					10.398	10.7544														
	400m					9.1006	9.9938														
	500m					7.2884	8.7794														
	600m					5.6307	5.8289														
塩分	0m	34.6314	34.5209	34.5003	34.6592	34.64	34.6334	34.701	34.706	34.7068	34.6751	34.5056	34.3932	33.5558	34.3179	34.7147	34.7161	34.7022	34.6737	34.5673	34.6564
	10m	34.6307	34.5135	34.5238	34.6586	34.6385	34.6306	34.6924	34.6988	34.7048	34.674	34.5089	34.4606	34.4373	34.318	34.7029	34.7099	34.6925	34.6608	34.5682	34.6515
	20m	34.63	34.5269	34.5236	34.6575	34.639	34.6311	34.6455	34.6504	34.6797	34.6711	34.5178	34.461	34.578	34.3514	34.677	34.7097	34.694	34.6466	34.5556	34.6439
	30m	34.6282	34.5863	34.5308	34.6534	34.6356	34.6327	34.6519	34.6269	34.6524	34.6556	34.521	34.4624	34.5785	34.3673	34.6405	34.7078	34.6894	34.6288	34.5611	34.6444
	50m	34.6148	34.5921	34.5386	34.6225	34.6255	34.6323	34.644	34.6112	34.6271	34.6255	34.5433		34.5795	34.3652	34.5771	34.6456	34.6743	34.6226	34.5634	34.5929
	75m	34.5581	34.5643	34.5718	34.5518	34.5789	34.6298	34.6328	34.6046	34.6206				34.5755	34.3587	34.5943	34.616	34.6252	34.5819	34.5588	34.5791
	100m	34.53	34.5354	34.5807	34.5383	34.5592	34.5821	34.6177	34.5883	34.6048				34.5363	34.4312	34.5728	34.5897	34.6459	34.5381	34.5489	34.5705
	150m	34.4987	34.4438	34.4873	34.4683	34.5065	34.5089	34.4973	34.4741	34.5881				34.5171	34.4861	34.5287	34.4827	34.503	34.4807	34.505	34.5098
	200m	34.4516	34.4215	34.3988	34.4288	34.4231	34.4599	34.4626	34.4488	34.4682				34.4582	34.4379	34.5096	34.4055	34.4314	34.4385	34.457	34.4602
	250m		34.3755	34.3571	34.3947	34.3779	34.3916	34.4236	34.419	34.435				34.4258		34.3903	34.3778	34.389	34.3948	34.4021	34.3931
	300m					34.3515	34.3659														
	400m					34.3029	34.3317														
	500m					34.2764	34.2871														
	600m					34.2994	34.2707														
溶存酸素	0m																				
(ml/L)	10m																				
	20m																				
	30m																				
	50m																				
	75m																				
	100m																				
	150m																				
	200m																				
	250m																				
	300m																				
	400m																				
	500m																				
	600m																				
COD	0m	0.90	1.03	0.78	0.62	0.35	0.61	0.75	0.83	*****	0.66	0.90	0.96	0.21	0.99	0.66	0.51	0.32	0.42	0.40	0.61
(mg/L)	10m					0.50	0.77					0.91									
	30m					0.46	0.59					0.82									
	50m					0.60	0.51					0.77									
	100m					0.49	0.50														
	250m					0.54	0.54														
NH_4-N	0m	−0.029	0.03	0.088	0.049	0	−0.012	0.039	−0.004	0.058	0.008	−0.063	1.11	−0.017	0.046	−0.002	0.048	0.057	0.068	0.012	0.079
	10m					0.051	−0.046					0.424									
	30m					0.025	0					−0.06									
	50m					0.014	−0.07					0.049									
	100m					−0.072	−0.042														
	250m					−0.077	−0.07														
NO_2-N	0m	0.331	0.35	0.38	0.281	0.251	0.23	0.227	0.22	0.27	0.324	0.379	0.647	0.461	0.489	0.268	0.245	0.327	0.273	0.44	0.294
	10m					0.295	0.231					0.487									
	30m					0.309	0.231					0.394									
	50m					0.37	0.234					0.455									
	100m					0.25	0.213														
	250m					0.008	0.008														
NO_3-N	0m	5.664	6.152	5.464	4.388	5.505	6.867	2.976	2.945	2.652	4.102	7.014	47.209	10.81	8.432	2.546	2.637	2.929	4.058	5.313	3.732
	10m					4.627	6.955					7.031									
	30m					5.333	6.939					7.114									
	50m					6.363	6.984					7.601									
	100m					10.23	7.49														
	250m					22.133	21.77														
PO_4-P	0m	0.341	0.241	0.247	0.229	0.291	0.327	0.185	0.223	0.165	0.248	0.43	2.83	0.521	0.338	0.198	0.18	0.196	0.222	0.262	0.257
	10m					0.362	0.522					0.473									
	30m					0.415	0.524					0.432									
	50m					0.414	0.53					0.48									
	100m					0.726	0.541														
	250m					1.213	1.311														

塩分は2m塩分。　*****は検出限界値。

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