Table S1. TWQI data input and results (Ma. = Macroalgae, A.A. = Aquatic angiosperms).

				measured variables						Quality Values						QV x wf						TWQI
Region	TWQI - sample (year)	station code (water sample)	station code MaQI sample)	DO %SAT	Chla µg/L	DIN µM	$P\text{-}PO_4$ µM	Ma %	A. A. %	QVDO %SAT	QVChla µg/L	QVDIN µM	QV $P\text{-}PO_4$ µM	QVMa	QV A.A.	QVDO*0.15	QVChla*0.15	QVDIN*0.12	QVP-PO_4*0.12	QV_Ma*0.23	QVA.A.*0.23	score
ER	2015	IT0899400100	IT0899400100	88.3	57.7	4.0	0.8	7.5	0.0	85.9	0.0	92.0	73.6	77.4	0.0	12.9	0.0	11.0	8.8	17.8	0.0	50.6
ER	2015	IT0899600100	IT0899600100	91.7	9.4	17.9	0.3	70.0	0.0	90.0	77.3	64.2	90.9	2.0	0.0	13.5	11.6	7.7	10.9	0.5	0.0	44.2
ER	2015	IT0899600300	IT0899600300	121.2	9.8	127.4	2.0	70.0	0.0	99.9	74.5	0.0	41.9	2.0	0.0	15.0	11.2	0.0	5.0	0.5	0.0	31.7
ER	2015	IT0899600500	IT0899600500	83.4	4.7	21.7	0.3	20.0	0.0	80.1	100.0	57.5	90.9	50.0	0.0	12.0	15.0	6.9	10.9	11.5	0.0	56.3
ER	2015	IT0899100100	IT0899100100	72.8	12.2	68.8	1.1	2.5	0.0	66.4	59.0	15.6	62.1	92.5	0.0	10.0	8.9	1.9	7.4	21.3	0.0	49.4
ER	2015	IT0899100201	IT0899100201	115.0	2.9	34.2	0.4	100.0	0.0	99.9	100.0	40.8	86.0	0.0	0.0	15.0	15.0	4.9	10.3	0.0	0.0	45.2
ER	2015	IT0899100300	IT0899100300	92.3	11.2	72.7	0.4	100.0	0.0	90.7	65.2	13.6	87.6	0.0	0.0	13.6	9.8	1.6	10.5	0.0	0.0	35.5
ER	2015	IT0899100401	IT0899100401	102.3	7.0	29.0	0.5	75.0	0.0	100.0	93.5	46.5	83.6	1.5	0.0	15.0	14.0	5.6	10.0	0.3	0.0	45.0
ER	2015	IT0899200100	IT0899200100	85.8	8.2	13.3	0.3	75.0	6.3	82.9	85.5	73.3	89.8	1.5	9.4	12.4	12.8	8.8	10.8	0.3	2.2	47.3
ER	2015	IT0899300101	IT0899300101	84.8	8.7	19.7	0.3	70.0	0.0	81.7	82.2	60.5	90.6	2.0	0.0	12.3	12.3	7.3	10.9	0.5	0.0	43.2
ER	2015	IT0899500200	IT0899500200	128.8	81.1	4.5	0.2	0.0	0.0	98.4	0.0	91.0	94.7	100.0	0.0	14.8	0.0	10.9	11.4	23.0	0.0	60.0
ER	2015	IT0899500300	IT0899500300	118.3	77.1	7.2	0.3	0.0	0.0	99.9	0.0	85.6	90.3	100.0	0.0	15.0	0.0	10.3	10.8	23.0	0.0	59.1
ER	2015	IT0899500400	IT0899500400	132.5	77.2	7.4	0.2	0.0	0.0	96.9	0.0	85.1	93.0	100.0	0.0	14.5	0.0	10.2	11.2	23.0	0.0	58.9
ER	2015	IT0899500500	IT0899500500	107.3	31.2	8.4	0.2	0.0	0.0	100.0	0.0	83.3	92.2	100.0	0.0	15.0	0.0	10.0	11.1	23.0	0.0	59.1
FVG	2015	FM 201	FM2_MF_201	108.8	1.6	10.8	0.0	90.0	0.0	100.0	100.0	78.3	98.4	0.0	0.0	15.0	15.0	9.4	11.8	0.0	0.0	51.2
FVG	2015	FM 301	FM3_MF_003	107.3	1.0	8.4	0.1	76.7	45.8	100.0	100.0	83.3	97.8	1.3	68.8	15.0	15.0	10.0	11.7	0.3	15.8	67.8
FVG	2015	FM 401	FM4_MF_004	109.8	1.1	8.4	0.0	40.0	75.0	100.0	100.0	83.1	98.8	25.0	97.5	15.0	15.0	10.0	11.9	5.8	22.4	80.0
FVG	2015	TEU 101	TEU1_MF_005	104.9	0.9	7.4	0.0	61.7	0.0	100.0	100.0	85.2	99.0	4.5	0.0	15.0	15.0	10.2	11.9	1.0	0.0	53.1
FVG	2015	TEU 201	TEU2_MF_001	119.4	0.8	8.2	0.0	90.0	75.0	99.9	100.0	83.6	98.7	0.0	97.5	15.0	15.0	10.0	11.8	0.0	22.4	74.3
FVG	2015	TEU 301	TEU3_mf_004	106.9	0.9	8.2	0.0	90.0	75.0	100.0	100.0	83.6	99.2	0.0	97.5	15.0	15.0	10.0	11.9	0.0	22.4	74.4
FVG	2015	TEU 401	TEU4_MF_006	110.3	1.1	34.9	0.1	70.0	50.0	100.0	100.0	40.1	96.7	2.0	75.0	15.0	15.0	4.8	11.6	0.5	17.3	64.1
FVG	2015	TME 101	TME1_MF_001	94.9	1.8	49.0	0.0	80.0	0.0	93.9	100.0	27.8	98.4	1.0	0.0	14.1	15.0	3.3	11.8	0.2	0.0	44.4
FVG	2015	TME 102 (44)	TME1_MF_002	95.5	5.4	99.2	0.1	100.0	0.0	94.6	100.0	0.4	96.1	0.0	0.0	14.2	15.0	0.1	11.5	0.0	0.0	40.8
FVG	2015	TME 201	TME2_MF_002	89.5	1.9	52.4	0.2	45.0	0.0	87.4	100.0	25.3	94.7	20.0	0.0	13.1	15.0	3.0	11.4	4.6	0.0	47.1
FVG	2015	TME 301	TME3_MF_001	98.7	1.3	31.1	0.1	90.0	0.0	98.4	100.0	43.9	97.7	0.0	0.0	14.8	15.0	5.3	11.7	0.0	0.0	46.8
FVG	2015	TME 304	TME3_MF_004	95.9	0.7	74.6	0.4	65.0	0.0	95.0	100.0	12.7	86.7	3.5	0.0	14.3	15.0	1.5	10.4	0.8	0.0	42.0
FVG	2015	TME 401	TME4_MF_004	96.6	1.1	59.8	0.1	40.0	0.0	95.9	100.0	20.2	95.1	25.0	0.0	14.4	15.0	2.4	11.4	5.8	0.0	49.0
FVG	2015	TPO 101	TPO1_MF_001	106.9	0.9	7.5	0.1	57.5	0.0	100.0	100.0	85.0	96.1	7.5	0.0	15.0	15.0	10.2	11.5	1.7	0.0	53.5
FVG	2015	TPO 201	TPO2_MF_005	108.8	0.8	11.8	0.0	55.0	37.5	100.0	100.0	76.3	99.6	10.0	56.3	15.0	15.0	9.2	11.9	2.3	12.9	66.3
FVG	2015	TPO 204 (71)	TPO2_MF_007	105.2	0.9	12.0	0.1	75.0	0.0	100.0	100.0	75.9	96.4	1.5	0.0	15.0	15.0	9.1	11.6	0.3	0.0	51.0
FVG	2015	TPO 301	TPO3_MF_004	101.5	0.8	36.0	0.1	70.0	0.0	100.0	100.0	39.0	97.6	2.0	0.0	15.0	15.0	4.7	11.7	0.5	0.0	46.8
FVG	2015	TPO 401	TPO4_MF_003	105.7	1.2	44.2	0.1	72.5	0.0	100.0	100.0	31.6	97.6	1.8	0.0	15.0	15.0	3.8	11.7	0.4	0.0	45.9
FVG	2015	TPO 501	TPO5_MF_008	97.0	0.8	61.6	0.0	90.0	0.0	96.4	100.0	19.2	98.4	0.0	0.0	14.5	15.0	2.3	11.8	0.0	0.0	43.6
PU	2015	AT_PC01	AT_PC01_R1	87.1	0.5	30.4	0.3	2.5	47.5	84.5	100.0	44.6	90.5	92.5	71.3	12.7	15.0	5.3	10.9	21.3	16.4	81.5
PU	2015	AT_CE01	AT_CE01_R1	88.9	4.6	6.8	0.2	45.0	42.5	86.7	100.0	86.5	91.7	20.0	63.8	13.0	15.0	10.4	11.0	4.6	14.7	68.7
PU	2015	AT_VA01	AT_VA01_R1	104.4	4.9	12.1	0.1	32.5	32.5	100.0	100.0	75.8	96.7	32.5	48.8	15.0	15.0	9.1	11.6	7.5	11.2	69.4
PU	2015	AT_VA02	AT_VA02_R1	102.3	3.6	15.4	0.1	10.0	0.0	100.0	100.0	69.2	95.2	70.0	0.0	15.0	15.0	8.3	11.4	16.1	0.0	65.8
PU	2015	AT_LE01	AT_LE01_R1	99.2	1.3	18.7	0.1	2.5	0.0	99.0	100.0	62.7	95.6	92.5	0.0	14.9	15.0	7.5	11.5	21.3	0.0	70.1
PU	2015	AT_LE02	AT_LE02_R1	88.4	1.1	9.3	0.1	15.0	57.5	86.1	100.0	81.3	96.4	60.0	82.5	12.9	15.0	9.8	11.6	13.8	19.0	82.0
PU	2015	AT_LE03	AT_LE03_R1	111.2	1.5	19.7	0.1	12.5	15.0	100.0	100.0	60.6	96.4	65.0	22.5	15.0	15.0	7.3	11.6	15.0	5.2	69.0
PU	2015	AT_MP01	AT_MP01_R1	99.0	1.0	18.6	0.2	45.0	0.0	98.7	100.0	62.8	92.0	20.0	0.0	14.8	15.0	7.5	11.0	4.6	0.0	53.0
PU	2015	AT_MP02	AT_MP02_R1	106.5	2.3	22.3	0.2	42.5	0.0	100.0	100.0	56.6	92.0	22.5	0.0	15.0	15.0	6.8	11.0	5.2	0.0	53.0
PU	2015	AT_PU01	AT_PU01_R1	99.9	0.4	11.3	1.2	2.5	67.5	99.9	100.0	77.3	59.1	92.5	92.5	15.0	15.0	9.3	7.1	21.3	21.3	88.9
PU	2015	AT_TG01	AT_TG01_R1	86.4	0.7	22.4	0.5	17.5	0.0	83.7	100.0	56.4	83.6	55.0	0.0	12.6	15.0	6.8	10.0	12.7	0.0	57.0
PU	2015	AT_LS01	AT_LS01_R1	113.3	0.5	21.6	0.4	60.0	70.0	99.9	100.0	57.6	86.5	5.0	95.0	15.0	15.0	6.9	10.4	1.2	21.9	70.3
SARD	2018	0035-AT50060-0041	0035-AT50060-0041	100.7	13.6	0.8	0.4	100.0	50.0	100.0	52.1	98.4	85.5	0.0	75.0	15.0	7.8	11.8	10.3	22.3	0.2	67.4
SARD	2018	0035-AT50060-0075	0035-AT50060-0075	100.7	14.2	0.9	0.4	75.0	50.0	100.0	49.1	98.3	86.6	1.5	75.0	15.0	7.4	11.8	10.4	22.5	0.2	67.2
SARD	2018	0036-AT50070-0094	0036-AT50070-0094	84.8	11.4	6.5	0.5	100.0	100.0	81.8	64.0	87.1	82.3	0.0	100.0	12.3	9.6	10.5	9.9	22.3	0.3	64.8
SARD	2018	0040-AT50090-0073	0040-AT50090-0073	101.5	33.0	1.0	0.5	2.5	100.0	100.0	0.0	97.9	83.3	92.5	100.0	15.0	0.0	11.8	10.0	21.3	0.3	58.4
SARD	2018	0073-AT50110-0053	0073-AT50110-0053	103.2	22.5	1.0	0.2	100.0	100.0	100.0	15.0	98.0	94.6	0.0	100.0	15.0	2.2	11.8	11.4	22.3	0.3	63.0
SARD	2018	0073-AT50110-0105	0073-AT50110-0105	112.5	33.0	1.1	0.2	100.0	0.0	99.9	0.0	97.7	94.6	0.0	0.0	15.0	0.0	11.7	11.4	22.3	0.0	60.4
SARD	2018	0101-AT50120-0025	0101-AT50120-0025	95.9	12.8	3.7	2.3	55.0	0.0	95.1	56.1	92.6	36.8	10.0	0.0	14.3	8.4	11.1	4.4	22.6	0.0	60.8
SARD	2018	0109-AT50150-0008	0109-AT50150-0008	99.3	8.0	1.6	0.2	70.0	0.0	99.2	86.3	96.9	94.6	2.0	0.0	14.9	12.9	11.6	11.4	22.5	0.0	73.3
SARD	2018	0114-AT50200-0007	0114-AT50200-0007	163.7	39.1	13.3	4.0	70.0	70.0	73.6	0.0	73.5	16.9	2.0	95.0	11.0	0.0	8.8	2.0	22.5	0.2	44.6
SARD	2018	0115-AT50212-0025	0115-AT50212-0025	115.3	19.0	13.0	1.7	100.0	90.0	99.9	26.6	74.0	47.3	0.0	100.0	15.0	4.0	8.9	5.7	22.3	0.3	56.1
SARD	2018	0123-AT50260-0116	0123-AT50260-0116	112.9	10.9	1.3	0.2	100.0	0.0	99.9	67.3	97.4	94.6	0.0	0.0	15.0	10.1	11.7	11.4	22.3	0.0	70.4

SARD	2018	0128-AT50300-0029	0128-AT50300-0029	97.4	7.6	3.5	0.6	90.0	31.0	96.9	89.5	93.0	81.4	0.0	46.5	14.5	13.4	11.2	9.8	22.4	0.1	71.4
SARD	2018	0129-AT50310-0020	0129-AT50310-0020	97.9	9.7	2.5	0.2	100.0	80.0	97.5	75.4	95.0	94.6	0.0	100.0	14.6	11.3	11.4	11.4	22.3	0.3	71.3
SARD	2018	0142-AT50320-0013	0142-AT50320-0013	114.5	3.7	2.5	0.3	20.0	100.0	99.9	100.0	94.9	91.0	50.0	100.0	15.0	15.0	11.4	10.9	22.9	0.3	75.5
SARD	2018	0158-AT50330-0009	0158-AT50330-0009	95.0	15.6	22.6	2.8	0.0	0.0	94.0	42.0	56.0	29.9	100.0	0.0	14.1	6.3	6.7	3.6	23.0	0.0	53.7
SARD	2018	0184-AT50360-0032	0184-AT50360-0032	72.8	123.6	1.5	0.4	30.0	0.0	66.5	0.0	97.0	86.0	35.0	0.0	10.0	0.0	11.6	10.3	22.8	0.0	54.7
SARD	2018	0190-AT50390-0007	0190-AT50390-0007	121.1	18.9	10.7	2.0	40.0	0.0	99.9	27.2	78.7	40.9	25.0	0.0	15.0	4.1	9.4	4.9	22.7	0.0	56.1
SARD	2018	0190-AT50390-0089	0190-AT50390-0089	107.1	10.5	16.4	4.8	80.0	0.0	100.0	70.3	67.3	10.3	1.0	0.0	15.0	10.5	8.1	1.2	22.4	0.0	57.3
SARD	2018	0221-AT50490-0049	0221-AT50490-0049	87.4	4.5	1.8	0.3	100.0	100.0	84.9	100.0	96.3	90.5	0.0	100.0	12.7	15.0	11.6	10.9	22.3	0.3	72.8
SARD	2018	0221-AT50490-0176	0221-AT50490-0176	92.6	6.2	5.6	0.3	50.0	30.0	91.1	98.7	88.8	90.3	15.0	45.0	13.7	14.8	10.7	10.8	22.7	0.1	72.7
SARD	2018	0225-AT50500-0037	0225-AT50500-0037	106.5	39.9	1.5	1.9	50.0	80.0	100.0	0.0	97.1	42.7	15.0	100.0	15.0	0.0	11.7	5.1	22.7	0.3	54.7
SARD	2018	0226-AT50550-0041	0226-AT50550-0041	80.4	21.5	28.0	4.5	90.0	0.0	76.5	18.5	48.0	12.6	0.0	0.0	11.5	2.8	5.8	1.5	22.4	0.0	43.9
SARD	2018	0226-AT50550-0069	0226-AT50550-0069	72.6	52.5	35.0	5.6	20.0	0.0	66.2	0.0	40.0	3.3	50.0	0.0	9.9	0.0	4.8	0.4	22.9	0.0	38.0
SARD	2018	0226-AT50570-0012	0226-AT50570-0012	90.4	8.5	2.6	1.2	90.0	20.0	88.5	83.4	94.8	59.6	0.0	30.0	13.3	12.5	11.4	7.1	22.4	0.1	66.8
SARD	2018	0226-AT50580-0002	0226-AT50580-0002	96.3	7.2	7.7	1.6	100.0	100.0	95.6	91.7	84.5	50.1	0.0	100.0	14.3	13.8	10.1	6.0	22.3	0.3	66.9
SARD	2018	0226-AT50590-0004	0226-AT50590-0004	109.1	25.9	19.4	1.8	60.0	250.0	100.0	6.8	61.3	45.2	5.0	0.0	15.0	1.0	7.4	5.4	22.6	0.9	52.2
SARD	2018	0226-AT50600-0097	0226-AT50600-0097	93.1	16.8	21.8	7.4	100.0	0.0	91.7	35.9	57.3	0.0	0.0	0.0	13.8	5.4	6.9	0.0	22.3	0.0	48.3
SARD	2018	0226-AT50610-0202	0226-AT50610-0202	110.8	35.1	30.7	8.7	100.0	0.0	100.0	0.0	44.3	0.0	0.0	0.0	15.0	0.0	5.3	0.0	22.3	0.0	42.6
SARD	2018	0252-AT50650-0146	0252-AT50650-0146	88.8	7.9	9.1	0.3	80.0	95.0	86.5	87.2	81.9	91.7	1.0	100.0	13.0	13.1	9.8	11.0	22.4	0.3	69.7
SARD	2018	0257-AT50740-0120	0257-AT50740-0120	82.9	7.1	26.6	0.2	50.0	60.0	79.5	93.0	50.0	94.6	15.0	85.0	11.9	13.9	6.0	11.4	22.7	0.2	66.1
SARD	2018	0258-AT50760-0007	0258-AT50760-0007	91.8	5.9	1.4	0.2	100.0	30.0	90.2	100.0	97.2	94.6	0.0	45.0	13.5	15.0	11.7	11.4	22.3	0.1	74.0
SARD	2018	0259-AT50780-0010	0259-AT50780-0010	83.0	21.3	1.1	0.3	60.0	60.0	79.5	19.0	97.9	89.2	5.0	85.0	11.9	2.8	11.7	10.7	22.6	0.2	60.0
SARD	2018	0287-AT50830-0009	0287-AT50830-0009	125.7	13.9	7.3	0.6	50.0	100.0	99.6	50.3	85.3	79.3	15.0	100.0	14.9	7.5	10.2	9.5	22.7	0.3	65.2
SARD	2018	0287-AT50830-0032	0287-AT50830-0032	119.4	5.9	6.3	0.6	100.0	100.0	99.9	100.0	87.3	80.9	0.0	100.0	15.0	15.0	10.5	9.7	22.3	0.3	72.8
SARD	2018	0301-AT50870-0047	0301-AT50870-0047	90.0	55.4	45.1	0.4	80.0	0.0	88.0	0.0	30.9	87.4	1.0	0.0	13.2	0.0	3.7	10.5	22.4	0.0	49.8
VENETO	2014	260	263	126.8	3.7	22.6	0.3	100.0	0.0	99.2	100.0	56.1	90.6	0.0	0.0	14.9	15.0	6.7	10.9	0.0	0.0	47.5
VENETO	2014	270	273	102.3	1.4	43.2	0.5	32.5	0.0	100.0	100.0	32.4	84.5	32.5	0.0	15.0	15.0	3.9	10.1	7.5	0.0	51.5
VENETO	2014	390	393	100.7	2.4	61.0	0.3	0.0	30.0	100.0	100.0	19.5	89.3	100.0	45.0	15.0	15.0	2.3	10.7	23.0	10.4	76.4
VENETO	2014	210	213	109.4	8.0	19.5	0.2	100.0	0.0	100.0	87.0	61.0	93.7	0.0	0.0	15.0	13.0	7.3	11.2	0.0	0.0	46.6
VENETO	2014	220	223	111.6	2.4	9.5	0.2	45.0	0.0	100.0	100.0	81.0	94.5	20.0	0.0	15.0	15.0	9.7	11.3	4.6	0.0	55.7
VENETO	2014	400	403	96.8	2.9	8.5	0.2	65.0	0.0	96.1	100.0	83.0	94.9	3.5	0.0	14.4	15.0	10.0	11.4	0.8	0.0	51.6
VENETO	2014	290	293	109.2	2.9	68.3	0.8	10.0	0.0	100.0	100.0	15.8	72.2	70.0	0.0	15.0	15.0	1.9	8.7	16.1	0.0	56.7
VENETO	2014	430	433	145.5	11.5	29.5	0.4	100.0	0.0	91.8	63.6	45.8	86.5	0.0	0.0	13.8	9.5	5.5	10.4	0.0	0.0	39.2
VENETO	2014	440	443	108.7	2.9	56.2	0.7	100.0	0.0	100.0	100.0	22.7	77.7	0.0	0.0	15.0	15.0	2.7	9.3	0.0	0.0	42.0
VENETO	2014	380	383	95.5	1.4	95.8	0.4	4.0	0.0	94.7	100.0	2.1	86.8	88.0	0.0	14.2	15.0	0.3	10.4	20.2	0.0	60.1
VENETO	2014	EC_1	EC_1	113.2	2.4	11.4	0.1	52.5	32.5	99.9	100.0	77.2	96.3	12.5	48.8	15.0	15.0	9.3	11.6	2.9	11.2	64.9
VENETO	2014	EC_2	EC_2	118.8	2.8	9.4	0.1	47.5	0.0	99.9	100.0	81.1	96.3	17.5	0.0	15.0	15.0	9.7	11.6	4.0	0.0	55.3
VENETO	2014	EC_Ve-8	EC_Ve-8	98.1	2.2	12.3	0.2	42.5	75.0	97.7	100.0	75.4	94.9	22.5	97.5	14.6	15.0	9.1	11.4	5.2	22.4	77.7
VENETO	2014	ENC1_1	ENC1_1	104.4	1.9	5.2	0.1	72.5	90.0	100.0	100.0	89.7	95.2	1.8	100.0	15.0	15.0	10.8	11.4	0.4	23.0	75.6
VENETO	2014	ENC1_2	ENC1_2	112.7	1.9	10.0	0.1	67.5	92.5	99.9	100.0	80.0	96.3	2.8	100.0	15.0	15.0	9.6	11.6	0.6	23.0	74.8
VENETO	2014	ENC1_3	ENC1_3	108.3	2.9	18.0	0.1	70.0	0.0	100.0	100.0	64.0	96.0	2.0	0.0	15.0	15.0	7.7	11.5	0.5	0.0	49.6
VENETO	2014	ENC1_4	ENC1_4	122.1	2.2	8.9	0.2	51.3	100.0	99.9	100.0	82.2	94.1	13.8	100.0	15.0	15.0	9.9	11.3	3.2	23.0	77.3
VENETO	2014	ENC1_FI	ENC1_FI	107.0	1.6	6.2	0.1	3.8	90.0	100.0	100.0	87.6	95.2	88.8	100.0	15.0	15.0	10.5	11.4	20.4	23.0	95.3
VENETO	2014	ENC1_VS	ENC1_VS	105.8	1.3	6.5	0.2	75.0	90.0	100.0	100.0	86.9	94.1	1.5	100.0	15.0	15.0	10.4	11.3	0.3	23.0	75.1
VENETO	2014	ENC2_1	ENC2_1	120.5	2.3	14.1	0.2	46.3	85.0	99.9	100.0	71.9	92.8	18.8	100.0	15.0	15.0	8.6	11.1	4.3	23.0	77.1
VENETO	2014	ENC2_VG	ENC2_VG	104.6	2.9	12.4	0.2	40.0	3.0	100.0	100.0	75.1	94.9	25.0	4.5	15.0	15.0	9.0	11.4	5.8	1.0	57.2
VENETO	2014	ENC3_CH	ENC3_CH	114.3	3.2	25.0	0.2	90.0	0.5	99.9	100.0	52.5	94.1	0.0	0.8	15.0	15.0	6.3	11.3	0.0	0.2	47.8
VENETO	2014	ENC4_1	ENC4_1	109.6	2.3	8.6	0.1	80.0	0.0	100.0	100.0	82.9	95.5	1.0	0.0	15.0	15.0	9.9	11.5	0.2	0.0	51.6
VENETO	2014	ENC4_Ve-6	ENC4_Ve-6	96.5	1.3	6.9	0.1	55.0	7.5	95.8	100.0	86.1	95.5	10.0	11.3	14.4	15.0	10.3	11.5	2.3	2.6	56.1
VENETO	2014	230	233	92.9	2.7	83.1	0.7	20.0	0.0	91.5	100.0	8.4	76.7	50.0	0.0	13.7	15.0	1.0	9.2	11.5	0.0	50.4
VENETO	2014	410	413	111.0	7.9	30.2	0.3	0.0	0.0	100.0	87.1	44.8	88.6	100.0	0.0	15.0	13.1	5.4	10.6	23.0	0.0	67.1
VENETO	2014	PC1_1	PC1_1	104.6	2.4	18.5	0.2	35.0	0.0	100.0	100.0	63.0	94.9	30.0	0.0	15.0	15.0	7.6	11.4	6.9	0.0	55.8
VENETO	2014	PC1_1B	PC1_1B	122.9	18.5	73.5	0.7	18.8	0.0	99.9	28.4	13.3	77.6	52.5	0.0	15.0	4.3	1.6	9.3	12.1	0.0	42.2
VENETO	2014	PC1_2	PC1_2	117.9	5.5	25.1	0.1	35.0	0.0	99.9	100.0	52.4	96.0	30.0	0.0	15.0	15.0	6.3	11.5	6.9	0.0	54.7
VENETO	2014	PC2_1	PC2_1	104.8	4.3	8.1	0.2	100.0	0.0	100.0	100.0	83.8	94.9	0.0	0.0	15.0	15.0	10.1	11.4	0.0	0.0	51.4
VENETO	2014	PC2_16	PC2_16	100.5	6.2	15.9	0.2	55.0	0.5	100.0	98.8	68.1	94.1	10.0	0.8	15.0	14.8	8.2	11.3	2.3	0.2	51.8
VENETO	2014	PC2_CC	PC2_CC	131.5	3.4	16.9	0.2	97.5	0.0	97.3	100.0	66.3	94.7	0.0	0.0	14.6	15.0	8.0	11.4	0.0	0.0	48.9
VENETO	2014	PC3_VDB	PC3_VDB	94.2	4.4	56.6	0.3	55.0	0.0	93.1	100.0	22.4	89.6	10.0	0.0	14.0	15.0	2.7	10.8	2.3	0.0	44.7
VENETO	2014	PC4_10B	PC4_10B	90.9	3.1	58.4	0.9	100.0	0.0	89.1	100.0	21.1	69.9	0.0	0.0	13.4	15.0	2.5	8.4	0.0	0.0	39.3
VENETO	2014	PNC1_1	PNC1_1	103.2	8.1	26.5	0.3	82.5	0.0	100.0	86.2	50.3	90.7	0.8	0.0	15.0	12.9	6.0	10.9	0.2	0.0	45.0
VENETO	2014	PNC1_7B	PNC1_7B	131.4	18.6	36.4	0.8	82.5	0.0	97.4	28.1	38.6	72.3	0.8	0.0	14.6	4.2	4.6	8.7	0.2	0.0	32.3
VENETO	2014	PNC1_Ve-1	PNC1_Ve-1	102.7	4.8	12.8	0.3	72.5	0.0	100.0	100.0	74.3	90.7	1.8	0.0	15.0	15.0	8.9	10.9	0.4	0.0	50.2
VENETO	2014	PNC2_1	PNC2_1	142.6	4.7	27.1	0.2	77.5	0.0	92.9	100.0	49.4	93.6	1.3	0.0	13.9	15.0	5.9	11.2	0.3	0.0	46.4
VENETO	2014	PNC2_2	PNC2_2	101.2	26.5	77.2	0.8	22.5	0.0	100.0	5.8	11.4	74.4	46.3	0.0	15.0	0.9	1.4	8.9	10.6	0.0	36.8
VENETO	2014	PNC2_SG	PNC2_SG	119.8	8.2	16.9	0.2	6.3	1.0	99.9	85.6	66.2	94.4	81.3	1.5	15.0	12.8	7.9	11.3	18.7	0.3	66.1
VENETO	2014	320	323	115.5	5.3	29.9	0.2	0.0	0.0	99.9	100.0	45.2	93.4	100.0	0.0	15.0	15.0	5.4	11.2	23.0	0.0	69.6
VENETO	2014	330	333	103.6	5.2	18.9	0.2	15.0	0.0	100.0	100.0	62.3	92.6	60.0	0.0	15.0	15.0	7.5	11.1	13.8	0.0	62.4
VENETO	2014	340	343	128.5	9.1	16.4	0.1	90.0	0.0	98.5	79.5	67.2	95.6	0.0	0.0	14.8	11.9	8.1	11.5	0.0	0.0	46.2
VENETO	2014	450	453	128.9	11.0	14.0	0.1	40.0	0.0	98.3	66.6	72.1	96.0	25.0	0.0	14.8	10.0	8.6	11.5	5.8	0.0	50.7
VENETO	2014	240	243	93.7	3.7	72.9	0.7	57.5	0.0	92.4	100.0	13.6	76.7	7.5	0.0	13.9	15.0	1.6	9.2	1.7	0.0	41.4

VENETO	2014	250	253	90.4	3.1	75.6	0.8	80.0	0.0	88.5	100.0	12.2	73.4	1.0	0.0	13.3	15.0	1.5	8.8	0.2	0.0	38.8

Table S2. TWEAM data input and results (Ma. = Macroalgae, A.A.= Aquatic angiosperms).

Region	period	MaQI samples (year)	Salinity class	Salinity type	Compound / lagoon	station code (water)	station code (MaQI)	LONG	LAT	DIN uM	RP uM	MaQI	TWQI	PHASE	TWEAM
ER	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Sacca di Goro	899100100	899100100	12.276800	44.822417	114.8	0.9	0.2	49.4	phase 2	E2
ER	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Sacca di Goro	899100201	899100201	12.351767	44.795055	64.3	0.8	0.3	45.2	phase 2	E2
ER	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Sacca di Goro	899100300	899100300	12.330500	44.817550	76.1	0.5	0.4	35.5	phase 2	E2
ER	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Sacca di Goro	899100401	899100401	12.314533	44.793567	44.4	0.6	0.3	45.0	phase 2	E2
ER	2014-2016	2015	mesohaline	<30	C1 - Northern Adriatic Sea - Valle Cantone	899200100	899200100	12.195900	44.794417	12.2	0.4	0.6	47.3	phase 2	M
ER	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Valle Nuova	899300101	899300101	12.208009	44.793064	17.5	0.2	0.4	43.2	phase 2	E2
ER	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Lago delle Nazioni	899400100	899400100	12.251683	44.781600	6.8	0.9	0.3	50.6	phase 2	M
ER	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Valli di Comacchio	899500200	899500200	12.154383	44.641367	4.4	0.2	0.0	60.0	phase 2	M
ER	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Valli di Comacchio	899500300	899500300	12.170533	44.564300	4.2	0.2	0.0	59.1	E1	M
ER	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Valli di Comacchio	899500400	899500400	12.207517	44.599900	5.5	0.2	0.0	58.9	E1	M
ER	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Valli di Comacchio	899500500	899500500	12.226900	44.632517	13.8	0.2	0.0	59.1	phase 2	M
ER	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Pialassa Baiona	899600100	899600100	12.245443	44.489842	26.4	0.5	0.4	44.2	phase 2	E1
ER	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Pialassa Baiona	899600300	899600300	12.251384	44.480427	184.3	2.1	0.4	31.7	phase 2	E1
ER	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Pialassa Baiona	899600500	899600500	12.258104	44.519108	19.9	0.4	0.4	56.3	phase 2	M
FVG	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	FM 201	FM2_MF_201	13.417167	45.713600	19.1	0.1	0.3	51.2	phase 2	M
FVG	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	FM 301	FM3_MF_003	13.406667	45.691350	12.7	0.1	0.9	67.8	N1	N1
FVG	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	FM 401	FM4_MF_004	13.282783	45.712967	22.0	0.1	0.9	80.0	phase 2	N2
FVG	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TEU 101	TEU1_MF_005	13.354150	45.713833	13.4	0.1	0.3	53.1	phase 2	M
FVG	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TEU 201	TEU2_MF_001	13.331867	45.707100	19.5	0.1	0.9	74.3	phase 2	N2
FVG	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TEU 301	TEU3_MF_004	13.255583	45.732383	31.9	0.1	0.9	74.4	phase 2	N2
FVG	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TEU 401	TEU4_MF_006	13.220950	45.732250	43.6	0.1	0.9	64.1	phase 2	N2
FVG	2014-2016	2015	mesohaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TME 101	TME1_MF_001	13.186267	45.763083	59.4	0.1	0.3	44.4	phase 2	E2
FVG	2014-2016	2015	mesohaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TME 102	TME1_MF_002	13.216667	45.768900	163.8	0.2	0.3	40.8	phase 2	E2
FVG	2014-2016	2015	mesohaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TME 201	TME2_MF_002	13.126917	45.757983	97.5	0.2	0.4	47.1	phase 2	E2
FVG	2014-2016	2015	mesohaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TME 301	TME3_MF_001	13.120917	45.744867	95.9	0.2	0.4	46.8	phase 2	E2
FVG	2014-2016	2015	mesohaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TME 304	TME3_MF_004	13.097598	45.734263	144.9	0.4	0.4	42.0	phase 2	E2
FVG	2014-2016	2015	mesohaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TME 401	TME4_MF_004	13.085500	45.706717	79.9	0.2	0.4	49.0	phase 2	E2
FVG	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TPO 101	TPO1_MF_001	13.374750	45.727550	21.0	0.2	0.3	53.5	phase 2	M
FVG	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TPO 201	TPO2_MF_005	13.292733	45.738900	25.2	0.1	0.7	66.3	N1	N1
FVG	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TPO 204	TPO2_MF_007	13.335633	45.727050	28.8	0.1	0.3	51.0	phase 2	M
FVG	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TPO 301	TPO3_MF_004	13.171650	45.737250	45.6	0.1	0.6	46.8	phase 2	E2
FVG	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TPO 401	TPO4_MF_003	13.130450	45.724983	50.1	0.1	0.4	45.9	phase 2	E2
FVG	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Grado-Marano lagoon	TPO 501	TPO5_MF_008	13.108217	45.703533	66.5	0.1	0.3	43.6	phase 2	E2
PU	2014-2016	2015	mesohaline	<30	C2 - Apulian compound - Cesine	AT_CE01	AT_CE01_R1	18.335861	40.359083	4.4	0.2	0.6	68.7	phase 2	N2
PU	2014-2016	2015	polyhaline	<30	C2 - Apulian compound - Lesina	AT_LE01	AT_LE01_R1	15.346083	41.886639	18.8	0.1	0.2	70.1	phase 2	M
PU	2014-2016	2015	polyhaline	<30	C2 - Apulian compound - Lesina	AT_LE02	AT_LE02_R1	15.440389	41.886694	14.7	0.2	0.7	82.0	N1	N1
PU	2014-2016	2015	polyhaline	<30	C2 - Apulian compound - Lesina	AT_LE03	AT_LE03_R1	15.524256	41.907235	24.9	0.1	0.6	69.0	phase 2	N2
PU	2014-2016	2015	iperhaline	>30	C2 - Apulian compound - Vasche Evaporanti (Lago Salpi)	AT_LS01	AT_LS01_R1	15.998123	41.424140	14.9	0.4	0.7	70.3	N1	N1
PU	2014-2016	2015	euhaline	>30	C2 - Apulian compound - Mar Piccolo di taranto	AT_MP01	AT_MP01_R1	17.258069	40.488700	17.3	0.3	0.4	53.0	phase 2	M
PU	2014-2016	2015	euhaline	>30	C2 - Apulian compound - Mar Piccolo di taranto	AT_MP02	AT_MP02_R1	17.308042	40.489492	17.6	0.3	0.4	53.0	phase 2	M
PU	2014-2016	2015	euhaline	>30	C2 - Apulian compound - Baia di Porto Cesareo	AT_PC01	AT_PC01_R1	17.904517	40.249088	31.6	0.2	0.9	81.5	phase 2	N2
PU	2014-2016	2015	iperhaline	>30	C2 - Apulian compound - Punta della Contessa	AT_PU01	AT_PU01_R1	18.041539	40.595027	14.9	1.2	0.7	88.9	phase 2	N2
PU	2014-2016	2015	mesohaline	<30	C2 - Apulian compound - Torre Guaceto	AT_TG01	AT_TG01_R1	17.795464	40.714204	35.7	0.3	0.3	57.0	phase 2	M
PU	2014-2016	2015	polyhaline	<30	C2 - Apulian compound - Lago di Varano	AT_VA01	AT_VA01_R1	15.686222	41.900722	9.4	0.1	0.9	69.4	N1	N1
PU	2014-2016	2015	polyhaline	<30	C2 - Apulian compound - Lago di Varano	AT_VA02	AT_VA02_R1	15.797222	41.904778	11.6	0.2	0.9	65.8	N1	N1
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0035-AT50060-0041	0035-AT50060-0041	9.586521	39.334207	2.0	0.3	0.7	62.1	N1	N1
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0035-AT50060-0075	0035-AT50060-0075	9.590033	39.337794	2.7	0.3	0.9	62.0	N1	N1
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0036-AT50070-0094	0036-AT50070-0094	9.585542	39.355838	4.3	0.4	0.9	65.2	N1	N1
SARD	2016-2018	2018	polyhaline	<30	C3 -Sardinian compound	0040-AT50090-0073	0040-AT50090-0073	9.619973	39.443063	2.5	0.3	0.9	81.0	N1	N1
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0073-AT50110-0053	0073-AT50110-0053	9.672425	39.940132	8.9	0.2	0.9	63.4	N1	N1
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0073-AT50110-0105	0073-AT50110-0105	9.667778	39.943763	8.1	0.2	0.3	38.1	phase 2	E2
SARD	2016-2018	2018	polyhaline	<30	C3 -Sardinian compound	0101-AT50120-0025	0101-AT50120-0025	9.698665	40.356577	4.5	1.2	0.3	40.5	phase 2	E2
SARD	2016-2018	2018	iperhaline	>30	C3 -Sardinian compound	0109-AT50150-0008	0109-AT50150-0008	9.788377	40.453836	1.7	0.2	0.3	51.3	phase 2	M
SARD	2016-2018	2018	mesohaline	<30	C3 -Sardinian compound	0114-AT50200-0007	0114-AT50200-0007	9.754533	40.590997	14.7	2.1	0.7	44.2	phase 2	M
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0115-AT50212-0025	0115-AT50212-0025	9.739708	40.639740	14.2	1.6	0.9	56.5	phase 2	N2

SARD	2016-2018	2018	polyhaline	<30	C3 -Sardinian compound	0123-AT50260-0116	0123-AT50260-0116	9.666824	40.802338	8.3	0.2	0.9	48.1	N1	N1
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0128-AT50300-0029	0128-AT50300-0029	9.588236	40.897354	7.1	0.6	0.9	59.6	phase 2	N2
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0129-AT50310-0020	0129-AT50310-0020	9.555131	40.913733	2.5	0.2	1.0	71.7	N1	N1
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0142-AT50320-0013	0142-AT50320-0013	9.513115	41.008514	2.4	0.2	0.9	86.8	N1	N1
SARD	2016-2018	2018	oligoaline	<30	C3 -Sardinian compound	0158-AT50330-0009	0158-AT50330-0009	9.444732	41.096177	19.2	2.7	0.0	53.7	phase 2	M
SARD	2016-2018	2018	polyhaline	<30	C3 -Sardinian compound	0184-AT50360-0032	0184-AT50360-0032	8.283962	40.855193	8.7	0.4	0.3	40.0	phase 2	E2
SARD	2016-2018	2018	polyhaline	<30	C3 -Sardinian compound	0190-AT50390-0007	0190-AT50390-0007	8.315173	40.588728	8.2	2.2	0.3	39.2	phase 2	E2
SARD	2016-2018	2018	polyhaline	<30	C3 -Sardinian compound	0190-AT50390-0089	0190-AT50390-0089	8.289034	40.602083	15.3	3.2	0.3	35.1	phase 2	E2
SARD	2016-2018	2018	iperhaline	>30	C3 -Sardinian compound	0221-AT50490-0049	0221-AT50490-0049	8.441958	39.896021	1.7	0.2	1.0	73.1	N1	N1
SARD	2016-2018	2018	iperhaline	>30	C3 -Sardinian compound	0221-AT50490-0176	0221-AT50490-0176	8.471124	39.906068	5.2	0.2	0.6	63.8	phase 2	N2
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0225-AT50500-0037	0225-AT50500-0037	8.588455	39.853399	1.4	1.1	0.9	58.2	phase 2	N2
SARD	2016-2018	2018	polyhaline	<30	C3 -Sardinian compound	0226-AT50550-0041	0226-AT50550-0041	8.568143	39.822638	18.7	2.3	0.3	21.5	phase 2	E2
SARD	2016-2018	2018	polyhaline	<30	C3 -Sardinian compound	0226-AT50550-0069	0226-AT50550-0069	8.575143	39.824466	26.6	2.9	0.3	26.6	phase 2	E2
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0226-AT50570-0012	0226-AT50570-0012	8.524876	39.763183	4.2	0.8	0.7	51.2	phase 2	N2
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0226-AT50580-0002	0226-AT50580-0002	8.520291	39.749095	4.5	0.9	1.0	67.3	phase 2	N2
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0226-AT50590-0004	0226-AT50590-0004	8.510152	39.726054	10.4	1.0	0.6	30.8	phase 2	E2
SARD	2016-2018	2018	polyhaline	<30	C3 -Sardinian compound	0226-AT50600-0097	0226-AT50600-0097	8.531286	39.699179	30.9	3.6	0.3	26.0	phase 2	E2
SARD	2016-2018	2018	mesohaline	<30	C3 -Sardinian compound	0226-AT50610-0202	0226-AT50610-0202	8.546620	39.703371	41.0	4.9	0.4	20.3	phase 2	E2
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0252-AT50650-0146	0252-AT50650-0146	8.414811	39.169315	4.5	0.2	0.9	70.1	N1	N1
SARD	2016-2018	2018	iperhaline	>30	C3 -Sardinian compound	0257-AT50740-0120	0257-AT50740-0120	8.577684	39.033951	14.2	0.2	0.7	66.2	N1	N1
SARD	2016-2018	2018	iperhaline	>30	C3 -Sardinian compound	0258-AT50760-0007	0258-AT50760-0007	8.624294	38.959316	1.6	0.2	0.6	61.9	phase 2	N2
SARD	2016-2018	2018	iperhaline	>30	C3 -Sardinian compound	0259-AT50780-0010	0259-AT50780-0010	8.618552	38.953891	13.2	0.3	0.7	57.9	N1	N1
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0287-AT50830-0009	0287-AT50830-0009	9.002867	38.987856	5.6	0.4	0.9	68.7	N1	N1
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0287-AT50830-0032	0287-AT50830-0032	9.008641	38.989658	6.3	0.6	0.9	73.2	phase 2	N2
SARD	2016-2018	2018	euhaline	>30	C3 -Sardinian compound	0301-AT50870-0047	0301-AT50870-0047	9.019080	39.166277	76.4	0.3	0.3	27.6	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Caleri	210	213	12.327935	45.071302	26.2	0.2	0.3	46.6	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Caleri	220	223	12.316546	45.089359	15.5	0.2	0.3	55.7	phase 2	M
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Marinetta	230	233	12.369878	45.056849	110.3	0.8	0.4	50.4	phase 2	E1
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Vallona	240	243	12.378541	45.039323	88.5	0.7	0.4	41.4	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Vallona	250	253	12.376807	45.047538	82.7	0.7	0.4	38.8	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Barbamarco	260	263	12.448925	45.001444	34.2	0.4	0.4	47.5	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Barbamarco	270	273	12.478816	44.982974	53.7	0.7	0.4	51.5	phase 2	M
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Canarin	290	293	12.494596	44.905363	63.8	0.7	0.4	56.7	phase 2	M
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Scardovari	320	323	12.436884	44.844441	22.3	0.2	0.4	69.6	phase 2	M
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Scardovari	330	333	12.414772	44.836399	20.1	0.3	0.3	62.4	phase 2	M
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Scardovari	340	343	12.401418	44.866903	15.3	0.3	0.4	46.2	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Caorle	380	383	12.908542	45.620550	76.4	0.4	0.2	60.1	phase 2	M
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Baseleghe	390	393	12.985749	45.628822	47.1	0.3	0.6	76.4	E1	N2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Caleri	400	403	12.304750	45.105667	8.0	0.2	0.4	51.6	phase 2	M
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea - Marinetta	410	413	12.358850	45.064700	60.0	0.5	0.3	67.1	phase 2	M
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Canarin	430	433	12.497583	44.934966	36.6	0.5	0.4	39.2	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Canarin	440	443	12.493467	44.921482	50.8	0.6	0.4	42.0	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea - Scardovari	450	453	12.426084	44.886249	17.2	0.2	0.4	50.7	phase 2	M
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	EC_1	EC_1	12.502244	45.555656	7.0	0.1	0.9	64.9	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	EC_2	EC_2	12.505893	45.522990	5.2	0.1	0.7	55.3	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	EC_Ve-8	EC_Ve8	12.487663	45.505353	8.8	0.1	0.8	77.7	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC1_1	ENC1_1	12.312694	45.321282	5.2	0.1	1.0	75.6	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC1_2	ENC1_2	12.270906	45.240754	7.9	0.1	1.0	74.8	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC1_3	ENC1_3	12.222054	45.232446	12.7	0.1	0.4	49.6	phase 2	E2
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC1_4	ENC1_4	12.236763	45.331774	8.9	0.2	1.0	77.3	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC1_FI	ENC1_FI	12.289033	45.351588	8.9	0.1	0.9	95.3	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC1_VS	ENC1_VS	12.265887	45.278170	10.1	0.1	0.9	75.1	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC2_1	ENC2_2	12.408691	45.442372	10.7	0.2	0.9	77.1	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC2_VG	ENC2_VG	12.373993	45.453839	11.0	0.2	0.6	57.2	phase 2	N2
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC3_CH	ENC3_CH	12.288088	45.222413	15.9	0.3	0.7	47.8	N1	N1
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC4_1	ENC4_2	12.352199	45.406313	10.1	0.1	0.3	51.6	phase 2	M
VENETO	2014-2016	2015	euhaline	>30	C1 - Northern Adriatic Sea -Venice lagoon	ENC4_Ve-6	ENC4_Ve-6	12.324031	45.403163	8.6	0.1	0.6	56.1	phase 2	N2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PC1_1	PC1_2	12.447411	45.498691	14.5	0.1	0.3	55.8	phase 2	M
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PC1_1B	PC1_1B	12.397735	45.508443	50.3	0.4	0.4	42.2	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PC1_2	PC1_3	12.454862	45.540109	15.3	0.2	0.3	54.7	phase 2	M
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PC2_1	PC2_1	12.185169	45.291294	10.5	0.2	0.3	51.4	phase 2	M

VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PC2_16	PC2_16	12.197379	45.327393	14.9	0.2	0.6	51.8	phase 2	N2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PC2_CC	PC2_CC	12.194523	45.351636	21.6	0.2	0.3	48.9	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PC3_VDB	PC3_VDB	12.249130	45.193270	32.8	0.2	0.3	44.7	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PC4_10B	PC4_10B	12.209058	45.403884	39.6	0.5	0.4	39.3	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PNC1_1	PNC1_2	12.332431	45.462722	21.3	0.3	0.4	45.0	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PNC1_7B	PNC1_7B	12.292479	45.463348	26.3	0.6	0.4	32.3	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PNC1_Ve-1	PNC1_Ve-2	12.273928	45.413805	16.5	0.3	0.4	50.2	phase 2	M
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PNC2_1	PNC2_1	12.418918	45.481650	16.7	0.2	0.3	46.4	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PNC2_2	PNC2_2	12.382685	45.500070	51.0	0.5	0.4	36.8	phase 2	E2
VENETO	2014-2016	2015	polyhaline	<30	C1 - Northern Adriatic Sea -Venice lagoon	PNC2_SG	PNC2_SG	12.389555	45.470506	13.0	0.2	0.6	66.1	phase 2	N2