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SERVIZIO OSSERVATORIO ACQUE
MARINE E LAGUNARI

InforMare

June 2014

Coverage: regional

Frequency: every month

Period: seasonal

COASTAL SEA WATER SITUATION

Average surface values in sea water, measured with multi-parametric probe				
	A Area	B Area	C Area	D Area
Temperature (°C)	25,14	27,04	25,07	27,11
Salinity (PSU)	24,00	20,05	20,42	16,60
O ₂ (%)	92,00	97,12	108,74	112,42
pH	8,30	8,64	8,56	8,74
Chlorophyll "a" (µg/l)	2,41	2,17	2,27	2,13

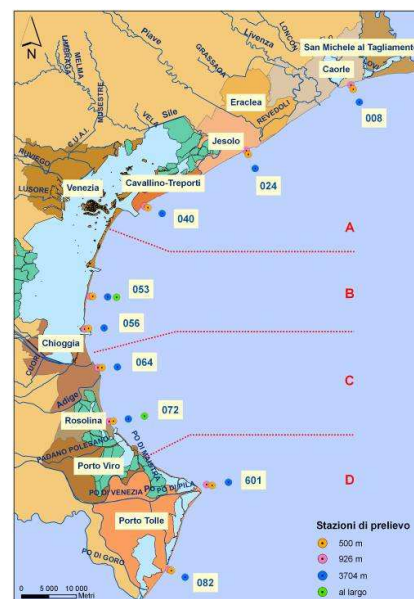
The temperature values are consistent with the weather and climate of the period. The low salinity values are due to the heavy rains of the period.

REMARKS

Camera's observations and transparency measures performed through the "Secchi disk" generally showed a clear water's column and clean bottom at all stations. Some small aggregates (flocs and filaments) was found in the water column in the stations off of the central area.

Some jellyfish *Rhizostoma pulmo* was found during the campaign, especially near Albarella.

See the Agency's website for further information on the tools used during the monitoring process:
www.arpa.veneto.it/temi-ambientali/acqua/acque-marino-costiere



CURIOSITA'

ARPAV between the inspection at sea that carries out for environmental classification of the coastal waters of Veneto, also performs qualitative and quantitative analysis of phytoplankton (autotrophic and photosynthetic components of the plankton, or single-celled algae) and research of potentially toxic algae.

Some of these marine microalgae are known for their ability to produce toxins harmful to humans both by ingestion of contaminated shellfish or other seafood products and by inhalation of aerosols containing algal cells fragments or toxins (as in the case of benthic microalgae *Ostreopsis ovata*).

The sporadic abundances of potentially toxic taxa, that ARPAV has found during the inspections carried out for years, have established a framework for marine coastal waters of Veneto not characterized by situations of toxicity risk for human health.

The Veneto region remains to this day one of the only Italian regions where it has never been found the species *Ostreopsis ovata* during all periods of investigation; this is especially due to the characteristics of the Venetian coast and the sandy nature of its substrate.



Source: Dipartimento Provinciale ARPAV di Rovigo

COASTAL BATHING WATER SITUATION

For the year 2014 the regional monitoring network for the quality of bathing water includes 95 control points in the Adriatic Sea and 1 on the Albarella harbour. Each month from April to September, the following activities are carried out at every station: measurement of environmental parameters, visual inspections and water sampling for bacteriological analysis. The surveys are carried out by ARPAV's technicians, with the support of the Veneto Region Coast Guard and Harbour Offices. Details of the situation on June 26 are given in the table on the right.

KEY	
	Suitable area
	Temporarily unsuitable area
	Permanently unsuitable area

Algae Surveillance: no potentially toxic algal blooms were detected.

For further information, please visit the website at:
www.arpa.veneto.it/acqua/htm/balneazione.asp

Situation 26 June 2014				
Mare Adriatico		95		
S. Michele al Tagliamento (Ve)		6		
Caorle (Ve)		15		
Eraclea (Ve)		2		
Jesolo (Ve)		12		
Cavallino Treporti (Ve)		12		
Venezia		18		
Chioggia (Ve)		11		
Rosolina (Ro)		9		
Porto Viro (Ro)		2		
Porto Tolle (Ro)		8		
Specchio Nautico di Albarella		1		
Rosolina (Ro)		1		