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SERVIZIO OSSERVATORIO ACQUE
MARINE E LAGUNARI

InforMare

September 2014

Coverage: regional

Frequency: monthly

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)	21,09	20,97	20,22	20,14
Salinity (PSU)	30,34	33,48	29,30	16,81
O ₂ (%)	87,00	85,33	97,43	110,77
pH	8,40	8,37	8,51	8,23
Chlorophyll "a" (µg/l)	0,48	0,52	1,80	7,99

The temperature values are consistent with the weather and climate of the period.

The low values of salinity of the water, especially in front of the delta Po, are probably due to plentiful rainfall during the period.

Transparency measures performed by the "Secchi disk" showed a water column generally turbid especially in the southern part of the coast.

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



DID YOU KNOW?

Cymodocea nodosa is an endemic Mediterranean seagrass species which is found in sandy seabed, usually in shallow waters less than about 10 m deep.

Cymodocea nodosa has a small stem with 2-5 green ribbon-like leaves growing from red rhizomes. The leaves have serrated edge, especially on the apex; length is around 30-40 cm and width is few centimeters (3-4 cm).

The grassland of *Cymodocea nodosa*, and generally the sea phanerogamea grassland, are important coastal ecosystems that create an habitat for benthic organisms.

Over the years there has been a drastic decrease of the areas covered by *Cymodocea nodosa*. The causes of this regression are probably increase of pollution loads, turbidity and human activities, as trawling and anchoring of vessels, on coastal area.

ARPAV technicians had observed a *Cymodocea nodosa* grassland in good conditions in front of Caorle coast. This is a very positive sign for the North Adriatic sea.



Fonte: ARPAV – Osservatorio Acque Marine e Lagunari.

COASTAL BATHING WATER SITUATION

For the year 2014, in the regional monitoring network for the quality of coastal bathing water, there are 95 control points in the Adriatic Sea and 1 on the Albarella expanse of nautical water.

Each month from April to September, the following activities are carried out at every checkpoint: measurement of environmental parameters, visual inspections, and taking water samples for bacteriological analysis. The surveys are carried out by ARPAV's technicians, with the support of the nautical units of the Veneto Region Coast Guard and Harbour Offices. Details of the situation on September 15 are given in the table on the right.

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

KEY	
	Suitable area
	Temporarily unsuitable area
	Permanently unsuitable area

Situation 15 September 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			

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