

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)	21.51	22.10	22.38	22.57
Salinity (PSU)	29.22	32.22	26.23	24.59
O ₂ (%)				
pH				
Chlorophyll "a" (µg/l)	2.37	2.39	2.09	2.05

The values measured are consistent with the weather and climate conditions in the period. The average concentrations of salinity are lower than normal as a result of abundant rainfall in the days before the sampling.

SPECIFIC POINTS

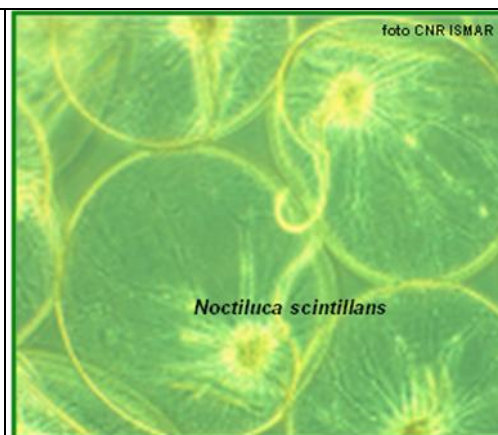
The observations due to underwater video camera and transparency measures carried out with "Secchi Disk" revealed a water column mostly clear except for Areas C and D which show turbidity caused by the fluvial inputs of the Adige and Po rivers.

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?

In the Adriatic Sea there are species that sparkle in the dark. *Noctiluca scintillans* is part of this category; it is an heterotrophic dinoflagellate, harmless to human health and marine environment. *Noctiluca* manifests itself in phytoplankton blooms in the form of "red tides"; it develops its life cycle at the level of the surface and it's able to emit bioluminescence in the darkness, from which the terminology of "sea in love" used to define its swarms. Bioluminescence results from the ability to convert chemical energy into light, the effect that follows is fascinating and usually occurs in the spring. The phenomenon usually disappears in a few days and the swarms dissolve due to the effects of winds and currents.






COASTAL BATHING WATER SITUATION

For the year 2013, 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 checks 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 June 27 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 27 June 2013			
			
Adriatic Sea	95		
S. Michele al Tagliamento (Ve)	6		
Caorle (Ve)	15		
Eraclea (Ve)	2		
Jesolo (Ve)	12		
Cavallino Treporti (Ve)	12		
Venice	18		
Chioggia (Ve)	11		
Rosolina (Ro)	9		
Porto Viro (Ro)	2		
Porto Tolle (Ro)	8		
Albarella Nautical Water	1		
Rosolina (Ro)	1		