

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)	27,10	27,38	27,46	26,81
Salinity (PSU)	34,04	33,46	28,51	32,12
O ₂ (%)	113,89	137,02	138,26	115,43
pH	8,27	8,37	8,43	8,12
Chlorophyll "a" (µg/l)	1,28	1,45	3,04	2,53

The values of temperature and oxygen detected in July 2013 are higher than the corresponding values recorded in the same period in 2012.

SPECIFIC POINTS

The observations with underwater video camera and transparency measures carried out with "Secchi Disk" revealed, especially in areas C and D, a column of water generally cloudy with clean background.

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?

The "cappasanta" (*Pecten jacobaeus*) is a mussel with a fan-shaped shell, with two unequal valves. The lower: convex, white tinged with ochre coloured; the upper: flat red-pink or brown coloured. Numerous tentacles come out from the valves. The tentacles act as sense organs.

They are interspersed with dark blue iridescent ocelli, perceiving a light source and its direction.




Pecten j. lives mostly on detrital bottoms. It feeds by filtering organic particles hanging in the water. It expels the water by strongly opening and closing the valves, creating a driving force for rapid and sudden movements.

Pecten j. is called "cappasanta" or St James' shell because the pilgrims of Saint James' Monastery (Compostela, Spain) used shells of a similar species to drink or to place the food; it is said that it was used by the Holy to hold holy water.



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.

KEY	
	Suitable area
	Temporarily unsuitable area
	Permanently unsuitable area

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 July 31 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/hm/balneazione.asp

Situation 31 July 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			