

Marine-coastal waters monitoring campaign

Monitoring campaign along Veneto coast was carried out on June 4th, 5th, and 6th, in collaboration with Venice Coastal Guard.

Considerations on the parameters detected

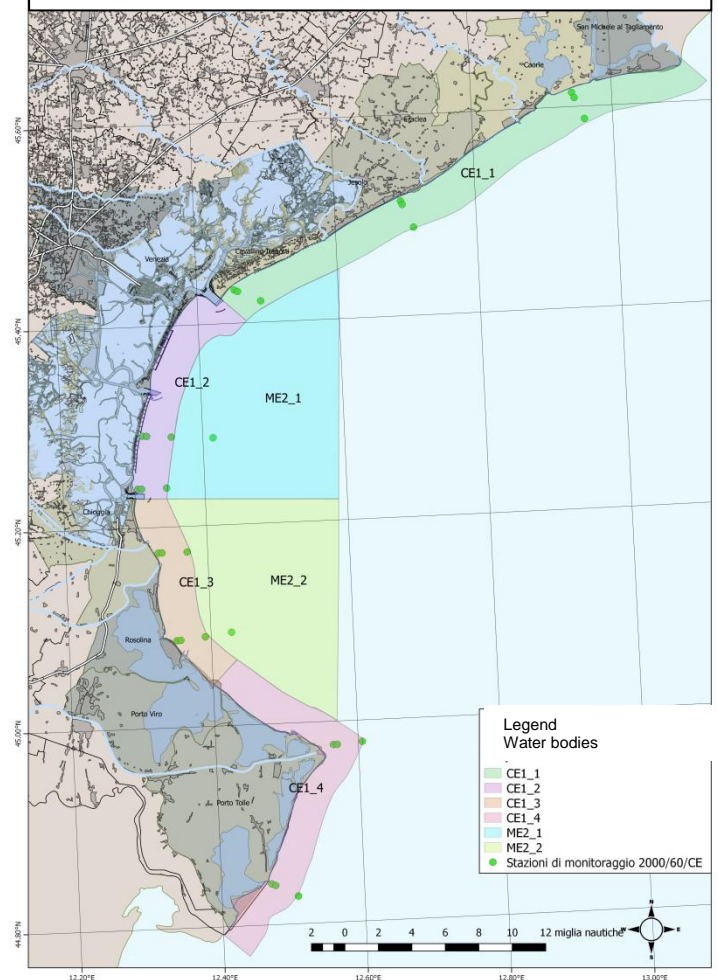
The table below shows the surface data, averaged by water body, of the main parameters measured by multi-parameter probe.

The high rainfall of the last period has led to a considerable contribution of fresh water, evidenced by the low salinity values and the lower water temperature on the rivers mouths south of the Venice Lagoon.

The increase in solar radiation, associated with the higher nutrient intake, led to a phytoplankton proliferation, highlighted by chlorophyll values "a" higher than 10 µg/l, with consequent increase in dissolved oxygen that reached 170% value in Albarella area. The values of transparency, detected by Secchi disk, are less than one meter in the Po delta area and they are generally good in the coasts of Cavallino, Jesolo and Caorle due to the lesser fluvial contributions. The observations made with underwater camera showed the presence of only mucilaginous microflakes along the water column.

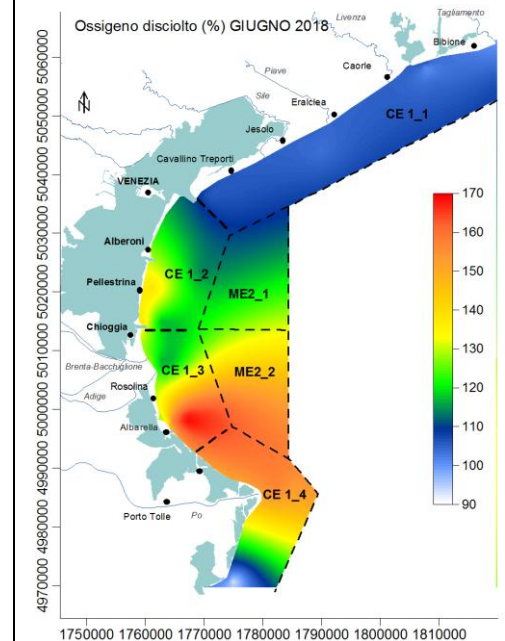
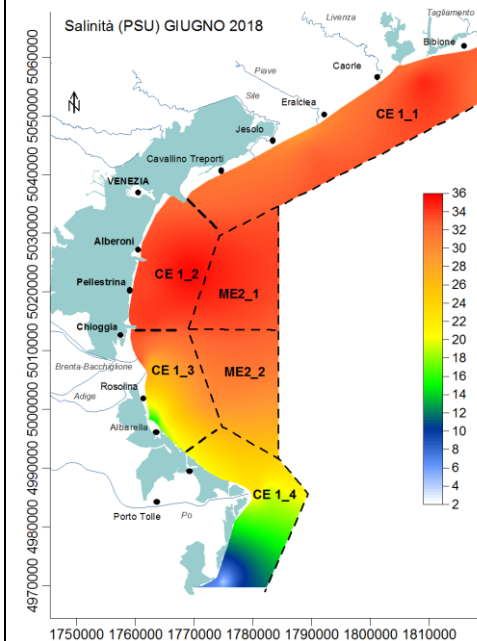
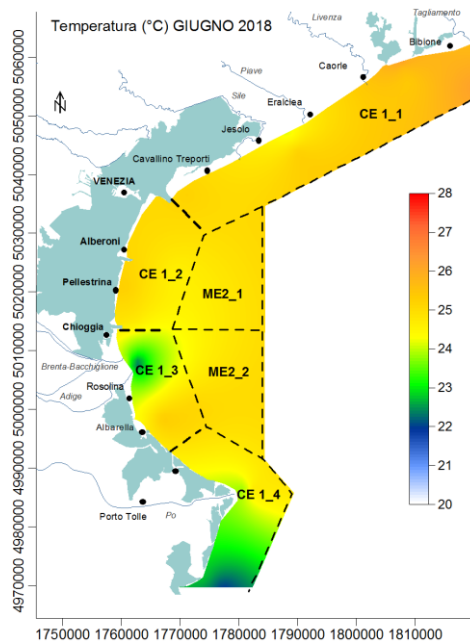
Parameters	Water Bodies					
	CE1_1	CE1_2	CE1_3	CE1_4	ME2_1	ME2_2
Water temperature °C	25.02	24.95	23.48	23.74	24.58	25.11
Salinity PSU	31.55	33.82	25.15	16.11	35.93	29.54
Dissolved oxygen %	104.69	131.99	127.75	134.75	114.25	160.93
Dissolved oxygen ppm	7.23	9.00	9.40	10.27	7.75	11.22
pH	8.19	8.33	8.34	8.36	8.23	8.42
Chlorophyll "a" µg/l	0.90	2.38	2.91	6.56	0.78	8.62
Turbidity FTU	3.84	1.28	14.09	13.80	0.68	3.53

Water bodies and marine-coastal water monitoring network



Distribution maps

The maps below represent the superficial distribution of temperature, salinity, dissolved oxygen.



For information about coastal bathing water situation, please visit the website at:
<http://www.arpa.veneto.it/temi-ambientali/acqua/datiacqua/balneazione.php>