

Allegato 1

Valori medi fiumi Panaro e Secchia anni 1994-2006

Fiume Panaro

Parametri		Torrente Scoltenna													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	7.055	4.225	5.888	3.898	3.582									4.929
Temperatura	°C	8.5	10.4	9.6	8.7	10.3	10.6	6.0	7.0	10.6	10.3	10.1	10.6	11.4	9.5
pH		8.2	8.3	8.3	8.2	8.1	8.1	8.2	8.2	8.0	8.3	8.0	8.4	8.3	8.2
Durezza	°F	13.8	12.7	14.3	13.1	13.2	13.8	11.3	14.1	15.2	15.3	13.0	16.2	13.1	13.8
Conducibilità	uS/cm	268	244	270	245	229	239	239	238	293	299	250	272	245	256
Mat. in Sosp.	mg/l	3	5	37	4	2	5	2	8	8	8	6	16	6	9
Ossigeno (%sat.)		113	112	109	99	87	69		103	105	101	101	103	101	100
B.O.D.	mg/l	2*	2*	2*	2*	2*	2*	2*	2*	2	2	2	1	2	2
C.O.D.	mg/l	5*	5*	5*	5*	5*	7	7	3	5	2	4	6	8	5
Fosforo tot. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.05	0.05	0.01	0.01	0.06	0.02	0.07
Fosforo reat. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.02*	0.03	0.01	0.01	0.01	0.01	0.06
Azoto ammoniacale (N)	mg/l	0,04*	0,04*	0,04*	0,04*	0,04*	0.05	0,04*	0,02*	0.03	0.01	0.05	0.12		0.05
Azoto nitroso (N)	mg/l	0,03*	0,03*	0,03*	0,01*	0,01*	0,01*	0,01*	0,01*	0,01*	0.01	0.01	0.01	0.01	0.01
Azoto nitrico (N)	mg/l	0.3	0.3	0.4	0.3	0.3	0.5	0.3	0.8	0.5	0.5	0.2	0.6	0.4	0.4
Solfati (SO4)	mg/l	20.5	18.5	23.4	18.6	19.1	19.1	19.7	31.9	23.9	37.3	19.2	25.0	17.3	22.6
Cloruri (Cl)	mg/l	4.9	4.6	5.0	5.2	5.7	5.6	5.0	4.6	5.8	15.8	5.7	9.5	4.8	6.3
Boro	µg/l	200*	200*	200*	100*	100*		100.0	50.0						136
Escherichia coli	U.F.C.	931	857	1656	2093	1029	615	102	203	283	259	149	425	147	673
Streptococchi f.	U.F.C.	383	324	326	320	83	143	39	59	217	167	110	283	119	198

Parametri		Torrente Leo													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	3.308	2.794	3.938	2.448	2.627									3.023
Temperatura	°C	8.4	8.7	9.3	9.7	9.8	10.1	7.0	7.6	11.0	10.2	10.3	9.6	11.6	9.5
pH		8.2	8.3	8.3	8.3	8.3	8.2	8.2	8.1	7.8	8.3	8.0	8.4	8.4	8.2
Durezza	°F	14.9	14.2	15.4	14.8	15.1	15.3	12.5	15.5	15.4	16.0	14.1	25.8	15.0	15.7
Conducibilità	uS/cm	281	252	273	259	240	255	242	258	300	310	260	266	263	266
Mat. in Sosp.	mg/l	3	4	4	3	6	8	2	37	22	6	5	7	3	8
Ossigeno (%sat.)		107	105	107	94	83	72		84	102	107	93	101	101	96
B.O.D.	mg/l	3	2*	2*	2*	2*	2*	2*	2*	4	2	2*	1	1	2
C.O.D.	mg/l	5*	6	5*	5*	5*	7	7	4*	8	7	4*	5	2	5
Fosforo tot. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,07	0,08	0,09	0,04	0,02	0,02	0,08
Fosforo reat. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,04	0,04	0,03	0,03	0,02	0,02	0,07
Azoto ammoniacale (N)	mg/l	0,04*	0,04*	0,04*	0,05	0,07	0,12	0,04*	0,11	0,29	0,29	0,12	0,10		0,11
Azoto nitroso (N)	mg/l	0,03*	0,03*	0,03*	0,01*	0,01*	0,02	0,02	0,01	0,06	0,01*	0,03	0,00	0,00	0,02
Azoto nitrico (N)	mg/l	0.4	0.3	0.5	0.4	0.5	0.7	0.4	0.4	0.4	0.6	0.4	0.5	0.2	0.4
Solfati (SO4)	mg/l	19.1	19.0	21.1	19.9	20.2	20.4	20.0	38.8	24.9	26.9	25.8	23.8	16.3	22.8
Cloruri (Cl)	mg/l	4.0	3.6	4.3	4.2	4.6	4.4	4.5	4.5	6.5	15.9	4.8	5.5	4.3	5.5
Boro	µg/l	200*	200*	200*	100*	100*		100*	50*						150
Escherichia coli	U.F.C.	3983	3173	7493	3634	2678	3291	801	951	1893	6851	5460	1333	349	3222
Streptococchi f.	U.F.C.	630	308	1480	491	216	341	250	1289	510	161	416	271	55	494

* Coincidente al limite di rilevabilità

Fiume Panaro

Parametri	Fiume Panaro - Ponte Chiozzo													
	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata mc/sec	-	-	9.838	5.707	5.945									7.163
Temperatura °C	9.6	10.6	10.9	9.6	10.8	10.9	8.0	8.0	15.7	12.3	11.8	11.7	10.9	10.8
pH	8.2	8.3	8.4	8.3	8.1	8.3	8.3	8.3	7.9	8.2	8.2	8.4	8.3	8.2
Durezza °F	15.4	13.9	15.2	14.0	14.5	16.3	13.0	17.3	17.3	17.2	15.3	16.3	13.9	15.3
Conducibilità uS/cm	304	260	285	255	238	289	240	321	585	333	286	287	244	302
Mat. in Sosp. mg/l	3	3	23	3	4	33	2	6	13	17			53	15
Ossigeno (%sat.)	111	109	112	99	82	70		79	85	102	92	96	90	94
B.O.D. mg/l	2*	2*	2*	2*	2*	2*	2*	2*	3	2*	2*	1	2	2
C.O.D. mg/l	6	5*	7	5*	5*	7	5	4	11	4*	5	6	9	7
Fosforo tot. (P) mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.08	0.72	0.07	0.03	0.01	0.04	0.16
Fosforo reat. (P) mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.05	0.60					0.32
Azoto ammoniacale (N) mg/l	0,04*	0,04*	0.08	0,04*	0,04*	0.12	0.06	0.05	0.08	0,03*	0.03	0.06	0.14	0.08
Azoto nitroso (N) mg/l	0,03*	0,03*	0,03*	0,01*	0,01*	0,01*	0,01*	0,01*	0.08					0.08
Azoto nitrico (N) mg/l	0.4	0.3	0.4	0.3	0.4	0.8	0.3	1.6	0.5	0.5	0.6	0.6	1.0	0.6
Solfati (SO4) mg/l	22.6	21.6	25.1	20.9	21.0	27.3	20.9	54.1	24.9	28.0	25.0	30.3	37.3	27.6
Cloruri (Cl) mg/l	4.6	4.4	4.8	4.9	5.4	6.8	4.7	7.5	5.3	9.7	7.0	9.8	6.8	6.3
Boro µg/l	200*	200*	200*	100*	100*		100*	69						69
Escherichia coli U.F.C.	732	1269	1483	1553	1260	1673	44	135	1209	612	611	134	1108	909
Streptococchi f. U.F.C.	156	83	1029	200	44	304	14	61	929					313

Parametri	Fiume Panaro - Ponte di Marano													
	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata mc/sec	-	8.200	19.000	6.574	6.555									10.082
Temperatura °C	10.4	10.4	10.7	10.4	13.7	10.6	14.9	8.6	12.7	13.6	12.0	10.8	12.0	11.6
pH	8.2	8.3	8.3	8.3	8.2	8.2	8.1	8.0	8.0	8.1	8.1	8.3	8.2	8.2
Durezza °F	15.9	14.8	16.3	15.0	14.9	16.4	15.6	16.0	16.8	17.6	15.6	18.6	15.2	16.1
Conducibilità uS/cm	302	291	318	293	259	289	293	295	345	338	299	334	277	302
Mat. in Sosp. mg/l	8	15	50	34	11	23	14	30	48	23	43	15	9	25
Ossigeno (%sat.)	102	103	101	103	93	87	88	89	98	106	103	101	105	98
B.O.D. mg/l	2*	2*	2*	2*	2*	2*	2*	3	2	2*	2*	1	1	2
C.O.D. mg/l	5*	5*	6	5*	5*	6	7	11	6	4*	7	6	4	6
Fosforo tot. (P) mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0.10	0,1*	0.13	0.13	0.03	0.02	0.02	0.02	0.08
Fosforo reat. (P) mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,01*	0.04	0,01*	0.01	0.01	0.01	0.06
Azoto ammoniacale (N) mg/l	0,04*	0,04*	0,04*	0,04*	0,04*	0.08	0.09	0.10	0.04	0.03	0.02	0.06	0.09	0.06
Azoto nitroso (N) mg/l	0,03*	0,03*	0,03*	0,01*	0,01*	0,01*	0,01*	0,01*	0.02	0,01*	0,01*	0.01	0.01	0.01
Azoto nitrico (N) mg/l	0.4	0.3	0.5	0.3	0.3	0.6	0.5	0.5	1.4	0.5	0.6	0.7	0.3	0.5
Solfati (SO4) mg/l	26.8	25.7	30.0	25.8	25.6	28.1	27.8	31.5	37.4	33.0	31.3	33.2	23.7	29.2
Cloruri (Cl) mg/l	5.8	5.6	6.9	6.8	6.9	7.3	7.1	7.5	27.9	10.0	8.7	9.5	8.4	9.1
Boro µg/l	200*	200*	205	100*	100*		104	51	48	35	33	51	40	97
Escherichia coli U.F.C.	2187	1179	4264	1035	520	1292	582	968	985	786	349	279	391	1140
Streptococchi f. U.F.C.	348	225	1010	400	128	189	104	398	830	419	276	291	365	383

* Coincidente al limite di rilevabilità

Fiume Panaro

Parametri	Fiume Panaro - Ponte di Spilamberto													
	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata mc/sec	-	6.473	17.429	6.912	5.345									9.040
Temperatura °C	12.2	11.6	12.3	11.8	11.1	11.3	14.9	9.1	13.1	12.0	12.5	10.5	12.2	11.9
pH	8.2	8.3	8.2	8.2	8.1	8.1	8.2	8.0	8.1	8.0	8.1	8.3	8.2	8.1
Durezza °F	17.1	16.0	17.0	15.9	15.8	16.0	15.7	15.9	16.4	17.6	16.6	19.3	16.2	16.6
Conducibilità uS/cm	336	309	340	313	263	300	300	298	335	345	311	353	301	316
Mat. in Sosp. mg/l	26	34	91	94	19	57	25	40	82	60	82	58	37	54
Ossigeno (%sat.)	97	105	110	109	97	88	89	94	99	108	108	103	100	101
B.O.D. mg/l	3	2*	2*	2*	2*	3	2*	3	2	2*	2*	2	2	2
C.O.D. mg/l	6	5*	7	7	5*	8	7	9	8	4*	6	7	3	6
Fosforo tot. (P) mg/l	0,1*	0,1*	0,1*	0.24	0,1*	0.12	0,1*	0.12	0.13	0.05	0.05	0.05	0.05	0.10
Fosforo reat. (P) mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,02*	0,02*	0.01	0.01	0.01	0.01	0.06
Azoto ammoniacale (N) mg/l	0,04*	0,04*	0,04*	0.07	0.04	0.14	0.13	0.15	0.04	0.05	0.04	0.09	0.06	0.07
Azoto nitroso (N) mg/l	0,03*	0,03*	0,03*	0,01*	0,01*	0.02	0,01*	0.02	0,01*	0.02	0.01	0.01	0.01	0.02
Azoto nitrico (N) mg/l	0.5	0.4	0.5	0.4	0.4	0.7	0.5	0.4	0.7	0.6	0.8	0.7	0.4	0.5
Solfati (SO4) mg/l	31.6	29.7	35.0	30.7	26.7	30.1	29.4	32.0	28.5	36.2	30.0	34.2	25.9	30.8
Cloruri (Cl) mg/l	7.9	6.5	8.0	9.1	7.6	9.1	8.2	8.6	13.5	11.0	10.8	9.7	9.5	9.2
Boro µg/l	200*	200*	200*	113	100*		106	51						139
Escherichia coli U.F.C.	8595	7470	8123	3420	3780	7024	16716	4024	2259	1883	1686	1347	1446	5213
Streptococchi f. U.F.C.	1323	745	1463	518	550	1549	289	1746	1600	1175	819	612	1068	1035

Parametri	Fiume Panaro - Ponticello S. Ambrogio													
	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata mc/sec	-	9.500	22.092	7.578	5.465		39.643	52.014	11.710	19.971	56.870	13.4	13.300	22.870
Temperatura °C	12.5	12.7	12.9	14.8	13.1	15.6	13.7	10.4	13.6	14.6	12.8	11.8	12.4	13.2
pH	8.0	8.0	8.1	8.0	8.0	8.0	8.1	7.9	8.0	7.9	8.0	8.2	8.1	8.0
Durezza °F	18.6	17.6	19.8	19.7	18.7	17.3	16.6	16.4	17.3	22.0	18.7	22.9	18.4	18.8
Conducibilità uS/cm	368	366	403	397	355	337	340	345	365	468	360	418	361	376
Mat. in Sosp. mg/l	42	34	145	31	18	62	23	42	72	67	88	63	132	63
Ossigeno (%sat.)	95	93	107	81	84	76	80	86	97	102	101	97	96	92
B.O.D. mg/l	4	2*	2*	2*	4	3	2*	3	2	2	2*	1	3	2
C.O.D. mg/l	9	7	9	7	10	10	10	14	8	7	9	9	9	9
Fosforo tot. (P) mg/l	0.15	0.19	0.20	0,1*	0.15	0.16	0.16	0.20	0.16	0.14	0.14	0.09	0.10	0.15
Fosforo reat. (P) mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.05	0.08	0.08	0.09	0.04	0.04	0.08
Azoto ammoniacale (N) mg/l	0.23	0.29	0.21	0.33	0.35	0.16	0.21	0.38	0.06	0.08	0.06	0.09	0.11	0.20
Azoto nitroso (N) mg/l	0,03*	0,03*	0,03*	0.04	0.05	0.07	0.14	0.21	0.02	0.03	0.02	0.02	0.03	0.06
Azoto nitrico (N) mg/l	0.7	0.6	0.9	0.6	0.5	0.8	0.6	0.9	1.0	0.8	0.8	1.3	0.6	0.8
Solfati (SO4) mg/l	36.1	38.4	44.6	44.7	41.3	35.7	41.0	36.3	33.6	54.0	36.4	51.5	34.1	40.6
Cloruri (Cl) mg/l	10.8	11.6	13.3	16.2	19.0	9.4	15.1	16.3	14.9	23.2	14.4	22.9	17.7	15.8
Boro µg/l	200*	200*	200*	121	114		120	79						148
Escherichia coli U.F.C.	11138	13275	18450	12150	10125	5157	12574	4274	1343	1991	4035	1373	2246	7548
Streptococchi f. U.F.C.	1008	910	2850	778	1500	671	435	1494	837	1109	1774	999	1521	1222

* Coincidente al limite di rilevabilità

Fiume Panaro

Parametri		Canale Naviglio - La Bertola													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	1.040	1.296	1.223	1.246	1.165									1.194
Temperatura	°C	15.2	14.6	13.6	18.7	16.5	18.1	14.8	14.7	16.6	17.9	16.5	15.6	16.6	16.1
pH		7.5	7.6	7.6	7.7	7.7	7.6	7.7	7.5	7.4	7.5	7.4	7.6	7.7	7.6
Durezza	°F	39.6	40.4	38.4	43.9	42.2	40.0	41.5	38.6	39.5	42.2	44.5	47.0	45.4	41.8
Conducibilità	uS/cm	1251	1296	1183	1410	1402	1323	1464	1256	1309	1392	1363	1353	1395	1338
Mat. in Sosp.	mg/l	12	11	18	10	10	13	11	24	13	14	15	11	9	13
Ossigeno (%sat.)		47	38	38	48	55	60	54	44	47	50	51	59	59	50
B.O.D.	mg/l	8	11	6	5	8	15	10	14	8	7	6	8	5	9
C.O.D.	mg/l	24	24	17	14	19	27	33	39	25	25	28	29	24	25
Fosforo tot. (P)	mg/l	1.62	1.74	1.49	1.63	1.86	1.78	2.10	1.94	2.05	2.25	2.17	1.86	2.25	1.90
Fosforo reat. (P)	mg/l	1.53	1.40	1.13	1.49	1.67	1.52	1.88	1.62	1.79	1.74	1.41	1.42	1.90	1.58
Azoto ammoniacale (N)	mg/l	1.27	2.61	1.84	0.91	1.35	2.53	1.29	1.52	1.12	0.21	0.53	0.94	1.00	1.32
Azoto nitroso (N)	mg/l	0.25	0.78	0.21	0.21	0.22	0.36	0.38	0.30	0.10	0.23	0.19	0.30	0.14	0.28
Azoto nitrico (N)	mg/l	7.8	7.0	7.0	10.5	10.3	7.4	10.7	9.5	9.1	12.7	12.1	10.0	9.8	9.5
Solfati (SO4)	mg/l	179.4	175.5	157.1	192.2	192.9	181.2	196.8	166.8	150.5	177.6	185.9	183.3	176.3	178.1
Cloruri (Cl)	mg/l	176.4	169.5	130.6	195.0	211.3	195.9	204.0	181.2	173.9	207.8	184.5	180.5	196.7	185.2
Boro	µg/l	864	1076	580	869	888						455	420	357	689
Escherichia coli	U.F.C.	114300	124200	221625	33525	85500	52794	30502	24860	50000	10517	24492	19975	13482	61982
Streptococchi f.	U.F.C.	10467	9300	22625	6550	6025	6535	3207	5883	25875	6107	11615	11299	9256	10365

Parametri		Fiume Panaro - Bomporto													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	-	-		5.365	3.718									4.542
Temperatura	°C	8.0	16.9	13.4	13.4	12.6	13.0	17.2	11.6	13.6	14.8	13.2	12.4	12.6	13.3
pH		8.0	8.0	8.0	8.0	8.0	8.1	8.1	7.9	8.0	7.9	7.9	8.1	8.0	8.0
Durezza	°F	18.2	19.6	21.2	20.8	17.4	17.8	17.1	18.6	18.7	25.7	21.2	25.4	19.7	20.1
Conducibilità	uS/cm	395	415	456	462	416	457	384	403	409	598	395	478	395	436
Mat. in Sosp.	mg/l	60	67	164	30	23	64	42	31	74	55	139	67	47	66
Ossigeno (%sat.)		65	89	102	102	80	88	85	71	91	99	95	92	88	88
B.O.D.	mg/l	3	3	3	3	4	5	2*	2	2	4	2	2	2	3
C.O.D.	mg/l	8	6	11	8	12	14	10	10	10	10	8	12	8	10
Fosforo tot. (P)	mg/l	0.19	0.21	0.28	0.23	0.29	0.37	0.20	0.17	0.19	0.31	0.14	0.15	0.11	0.22
Fosforo reat. (P)	mg/l	0.1*	0.1*	0.1*	0.1*	0.1*	0.11	0.09	0.06	0.11	0.21	0.05	0.09	0.06	0.10
Azoto ammoniacale (N)	mg/l	0.07	0.33	0.14	0.25	0.48	0.35	0.28	0.29	0.07	0.22	0.07	0.10	0.17	0.22
Azoto nitroso (N)	mg/l	0.05	0.07	0,03*	0.05	0.07	0.08	0.17	0.15	0.02	0.10	0.02	0.03	0.04	0.07
Azoto nitrico (N)	mg/l	1.3	1.2	1.3	1.1	0.8	1.6	1.0	1.0	1.3	2.1	1.4	1.5	1.0	1.3
Solfati (SO4)	mg/l	39.3	41.6	48.4	49.9	43.3	47.1	36.8	37.9	33.7	70.4	46.6	50.5	40.3	45.1
Cloruri (Cl)	mg/l	14.8	18.3	20.8	28.1	30.4	33.8	26.2	27.8	17.5	48.7	27.9	25.5	23.7	26.4
Boro	µg/l	200*	200*	200*	164	103		146	106	87	143	60	105	79	133
Escherichia coli	U.F.C.	14122	18338	17888	9293	9686	5022	4949	1087	1150	3399	1332	1577	1177	6848
Streptococchi f.	U.F.C.	674	500	2070	363	813	290	138	316	1175	3343	1650	1095	446	990

* Coincidente al limite di rilevabilità

Fiume Panaro

Parametri		Fiume Panaro - Ponte Bondeno													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	11.869	14.698	26.418	7.563	7.922	16.778	10.603		20.300	50.637	32.840	15.1	12.390	18.928
Temperatura	°C	15.5	15.2	14.2	15.7	14.9	15.1	14.8	12.4	13.9	15.3	14.2	12.7	13.6	14.4
pH		8.0	8.0	8.0	8.1	8.0	8.0	8.0	8.0	7.8	8.0	7.9	8.0	8.0	8.0
Durezza	°F	21.9	23.9	25.9	26.7	22.4	22.2	18.3	21.8	21.1	27.5	26.4	30.2	26.8	24.2
Conducibilità	uS/cm	521	563	600	687	550	552	488	536	531	702	553	671	662	586
Mat. in Sosp.	mg/l	76	145	117	74	44	129	50	53	66	55	293	92	56	96
Ossigeno (%sat.)		82	91	88	82	78	78	75	63	86	96	92	87	93	84
B.O.D.	mg/l	4	5	4	4	5	5	4	4	3	4	3	4	3	4
C.O.D.	mg/l	14	13	15	14	13	14	15	14	15	16	19	18	13	15
Fosforo tot. (P)	mg/l	0.35	0.43	0.48	0.46	0.36	0.40	0.35	0.37	0.34	0.42	0.40	0.34	0.37	0.39
Fosforo reat. (P)	mg/l	0.19	0.22	0.18	0.27	0.24	0.20	0.19	0.23	0.20	0.28	0.19	0.22	0.26	0.22
Azoto ammoniacale (N)	mg/l	0.19	0.48	0.46	0.44	0.47	0.39	0.24	0.56	0.26	0.36	0.12	0.19	0.27	0.34
Azoto nitroso (N)	mg/l	0,03*	0.18	0,03*	0.09	0.08	0.08	0.12	0.12	0.03	0.10	0.03	0.06	0.06	0.08
Azoto nitrico (N)	mg/l	1.8	2.3	2.6	2.5	1.8	1.7	1.5	1.8	2.1	2.9	3.1	2.9	1.8	2.2
Solfati (SO4)	mg/l	55.5	64.0	78.2	86.3	66.0	65.6	56.3	60.7	52.1	82.2	73.7	86.6	79.1	69.7
Cloruri (Cl)	mg/l	31.5	44.1	43.8	66.7	55.1	51.7	43.2	48.9	38.4	73.7	53.1	51.3	69.5	51.6
Boro	µg/l	224	355	226	325	194		200	215	159	198	121	177	148	212
Escherichia coli	U.F.C.	5569	6660	15120	5625	3848	7874	2099	633	1593	1459	2122	2709	795	4316
Streptococchi f.	U.F.C.	885	405	985	330	245	1322	164	348	713	424	2090	1790	438	780

Parametri		Collettore Acque Alte					
		Media	Media	Media	Media	Media	Media
		2002	2003	2004	2005	2006	02-06
Portata	mc/sec						
Temperatura	°C	14.5	14.5	15.5	13.5	14.0	14.4
pH		7.8	7.9	7.9	8.1	8.3	8.0
Durezza	°F	28.2	31.3	35.9	35.1	31.2	32.3
Conducibilità	uS/cm	739	732	761	751	753	747
Mat. in Sosp.	mg/l	104	106	66	52	47	75
Ossigeno (%sat.)		104	101	117	93	98	103
B.O.D.	mg/l	10	8	7	8	8	8
C.O.D.	mg/l	35	33	29	28	34	32
Fosforo tot. (P)	mg/l	0.49	0.54	0.44	0.37	0.46	0.46
Fosforo reat. (P)	mg/l	0.22	0.24	0.22	0.19	0.22	0.22
Azoto ammoniacale (N)	mg/l	2.47	0.97	0.93	0.54	1.29	1.24
Azoto nitroso (N)	mg/l	0.10	0.06	0.08	0.08	0.09	0.08
Azoto nitrico (N)	mg/l	3.2	2.3	6.2	4.0	1.4	3.4
Solfati (SO4)	mg/l	62.4	79.9	95.9	90.8	79.5	81.7
Cloruri (Cl)	mg/l	46.4	50.8	41.9	36.6	50.4	45.2
Boro	µg/l	372	330	263	268	271	301
Escherichia coli	U.F.C.	1304	7476	20661	11617	352	8282
Streptococchi f.	U.F.C.	463	2588	7984	4253	311	3120

Fiume Secchia

Parametri		Torrente Dolo													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006#	94-06
Portata	mc/sec	6.150	7.318	5.620	1.170	3.797									4.811
Temperatura	°C	9.3	8.3	8.0	10.3	8.4	9.4	13.7	9.4	12.1	12.0	9.6	11.4		10.2
pH		8.1	8.3	8.2	8.1	8.0	8.1	8.4	8.0	8.2	8.1	8.1	8.3		8.2
Durezza	°F	20.7	19.7	18.6	21.2	18.9	21.5	18.6	16.5	16.0	15.2	15.0	16.2		18.2
Conducibilità	uS/cm	613	415	378	417	361	440	1017	333	389	351	259	327		441
Mat. in Sosp.	mg/l	7	16	14	15	23	28	1	68	101	99	86	97		46
Ossigeno (%sat.)		113	108	112	107	105	112	88	100	100	105	96	96		103
B.O.D.	mg/l	2*	2*	2*	2*	2*	2*	2*	2*	2	2*	2*	2		2
C.O.D.	mg/l	6	6	5*	5*	5*	7	11	3	9	5	6	5		6
Fosforo tot. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.08	0.04	0.06	0.16	0.04		0.09
Fosforo reat. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.02	0.01	0,01*	0,01*	0.01		0.06
Azoto ammoniacale (N)	mg/l	0,04*	0,04*	0,04*	0,04*	0,04*	0.07	0,04*	0.06	0.04	0.03	0,03*	0.03		0.04
Azoto nitroso (N)	mg/l	0,03*	0,03*	0,03*	0,03*	0,03*	0.02	0,01*	0,01*	0,01*	0,01*	0,01*	0.01		0.02
Azoto nitrico (N)	mg/l	0.5	0.4	0.4	0.4	0.5	0.5	0.3	0.4	0.5	0.3	0.3	0.4		0.4
Solfati (SO4)	mg/l	87.4	45.5	39.8	47.7	39.7	52.5	55.9	21.9	29.5	23.1	17.2	31.3		40.9
Cloruri (Cl)	mg/l	55.8	9.8	9.1	14.6	14.5	17.3	24.1	10.6	25.2	26.4	7.1	23.9		19.9
Boro	µg/l	200	200	200	159	114	164	141	107	50*	113	50*	115		151
Escherichia coli	U.F.C.	2234	1136	1478	938	1463	198	104	403	546	157	968	689		860
Streptococchi f.	U.F.C.	529	391	271	170	575	83		457	822	1101	2870	392		696

non campionato

Parametri		Fiume Secchia - Lugo													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	11.549	12.254	13.666	3.362	10.012									10.169
Temperatura	°C	9.9	9.0	8.4	11.3	9.5	9.1	10.4	5.1	10.8	12.4	11.0	8.5	10.4	9.7
pH		8.1	8.2	8.2	8.0	8.0	8.1	8.1	8.0	8.1	7.6	8.1	8.2	8.2	8.1
Durezza	°F	39.1	37.6	34.4	48.3	48.1	46.3	45.7	35.7	35.6	52.0	40.6	48.8	46.1	42.9
Conducibilità	uS/cm	1386	1214	995	1573	1537	1416	1405	1018	993	1864	1443	1556	1573	1383
Mat. in Sosp.	mg/l	8	35	45	26	133	20	19	73	38	88	37	82	16	48
Ossigeno (%sat.)		112	110	110	103	104	111	91	89	99	105	99	99	98	102
B.O.D.	mg/l	2*	2*	2*	2*	2*	2*	2*	2	2	2*	2*	1	1	2
C.O.D.	mg/l	6	6	5*	5*	8	6	8	7	6	6	5	6	4	6
Fosforo tot. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.09	0.02	0.05	0.03	0.03	0.01	0.04
Fosforo reat. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.01	0.01	0.02	0.01	0.01	0.01	0.01
Azoto ammoniacale (N)	mg/l	0,04*	0,04*	0.05	0.06	0.10	0.06	0.05	0.13	0.04	0.06	0.04	0.03	0.07	0.06
Azoto nitroso (N)	mg/l	0,03*	0,03*	0,03*	0,01*	0,01*	0,01*	0,01*	0,01*	0,01*	0,01*	0,01*	0.00	0.01	0.01
Azoto nitrico (N)	mg/l	0.4	0.4	0.4	0.3	0.5	0.6	0.4	0.4	0.6	0.5	0.9	0.5	0.2	0.5
Solfati (SO4)	mg/l	274.1	234.7	201.0	353.0	345.4	319.2	322.0	242.7	216.5	321.8	276.7	327.9	304.9	287.7
Cloruri (Cl)	mg/l	265.2	203.0	138.1	316.2	304.5	266.9	280.0	154.8	132.5	383.7	257.1	296.3	318.5	255.1
Boro	µg/l	202	208	200	126	112	116	112	67	69	76	55	99	74	117
Escherichia coli	U.F.C.	1106	3386	3398	2408	3049	1352	1384	1113	473	1241	1098	438	353	1600
Streptococchi f.	U.F.C.	234	775	595	580	875	160	210	673	424	1346	696	551	253	567

* Coincidente al limite di rilevabilità

Fiume Secchia

Parametri		Fiume Secchia - Cerredolo													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	5.422	4.773	8.150	2.193	6.366									5.381
Temperatura	°C	8.9	8.6	8.5	11.1	8.7	8.9	11.8	9.1	12.3	12.5	10.7	19.6	11.1	10.9
pH		7.9	8.1	8.1	8.3	7.9	8.0	8.1	8.0	8.2	8.1	8.1	8.2	8.1	8.1
Durezza	°F	51.1	44.0	45.5	26.4	54.4	57.3	61.6	52.5	41.9	56.2	50.1	63.3	57.8	50.9
Conducibilità	uS/cm	1922	1574	1367	554	1877	1842	1634	1659	1216	2138	1679	2330	2144	1687
Mat. in Sosp.	mg/l	16	18	50	7	83	23	4	68	147	181	79	24	16	55
Ossigeno (%sat.)		110	109	109	104	100	110	87	95	101	100	97	96	102	102
B.O.D.	mg/l	2*	2*	2*	2*	2*	2*	2*	2	2	2*	2*	1	1	2
C.O.D.	mg/l	5*	6	6	8	6	5*	7	7	10	6	10	4	5	7
Fosforo tot. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.13	0.09	0.07	0.07	0.03	0.02	0.07
Fosforo reat. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.03	0.02	0,01*	0,01*	0.01	0.01	0.02
Azoto ammoniacale (N)	mg/l	0.06	0.07	0.05	0.09	0.09	0.06	0,04*	0.05	0.09	0.04	0.07	0.02		0.06
Azoto nitroso (N)	mg/l	0,03*	0,03*	0,03*	0.02	0,01*	0,01*	0,01*	0,01*	0,01*	0.01	0.01	0.00	0.02	0.01
Azoto nitrico (N)	mg/l	0.5	0.4	0.5	0.8	0.5	0.5	0.3	0.5	1.2	0.5	0.9	0.4	0.3	0.6
Solfati (SO4)	mg/l	394.8	302.8	314.4	69.6	402.5	426.5	488.0	253.1	290.5	284.4	352.7	437.3	411.3	340.6
Cloruri (Cl)	mg/l	421.1	303.1	244.2	24.6	366.8	364.3	383.7	245.4	200.9	280.3	310.6	429.8	521.5	315.1
Boro	µg/l	200	200	200	258	100	115	113	105	50*	50*	50*	74	71	144
Escherichia coli	U.F.C.	3823	5378	5603	2790	4815	1532	1490	1033	410	1505	670	353	1015	2340
Streptococchi f.	U.F.C.	759	995	1550	760	1875	208	49	880	2258	1515	993	227	374	957

Parametri		Torente Rossenna													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	1.429	0.873	1.798	0.413	0.413									0.985
Temperatura	°C	9.7	9.0	9.5	11.1	9.2	10.4	12.9	8.5	14.1	14.5	11.1	13.1	11.4	11.1
pH		8.3	8.4	8.3	8.3	8.3	8.4	8.3	8.4	8.3	8.3	8.2	8.4	8.3	8.3
Durezza	°F	26.7	29.0	24.5	26.4	27.4	29.1	23.2	22.8	26.8	25.3	29.2	27.1	27.5	26.5
Conducibilità	uS/cm	575	594	538	554	552	600	530	629	592	555	570	576	533	569
Mat. in Sosp.	mg/l	39	38	65	7	60	33	2	5301	72	19	724	55	7	494
Ossigeno (%sat.)		116	111	109	104	104	115	95	97	103	105	95	96	101	104
B.O.D.	mg/l	4	2*	2*	2*	4	2*	2*	4	2	3	3	2	1	3
C.O.D.	mg/l	11	10	8	8	12	9	10	10	16	8	22	9	8	11
Fosforo tot. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.77	0.07	0.07	0.15	0.05	0.04	0.19
Fosforo reat. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.02	0.04	0.03	0.05	0.02	0.04	0.03
Azoto ammoniacale (N)	mg/l	0.11	0.27	0.22	0.09	0.40	0.13	0,04*	0.07	0.09	0.08	0.04	0.04		0.14
Azoto nitroso (N)	mg/l	0,03*	0,03*	0,03*	0.02	0.02	0.02	0.02	0.05	0.03	0.02	0.01	0.01	0.02	0.02
Azoto nitrico (N)	mg/l	1.1	1.3	1.1	0.8	1.2	1.4	0.4	1.9	2.1	0.6	1.3	0.9	0.9	1.2
Solfati (SO4)	mg/l	75.8	82.5	70.0	69.6	79.2	81.3	72.0	90.0	73.2	61.6	77.5	72.0	69.4	74.9
Cloruri (Cl)	mg/l	15.7	18.3	16.4	24.6	31.6	26.9	25.4	29.6	19.8	25.4	20.6	23.8	21.0	23.0
Boro	µg/l	221	235	205	258	162	369	244	303	177	197	268	207	187	233
Escherichia coli	U.F.C.	8944	9720	14513	2970	20025	4734	768	5312	2900	1506	8525	2393	540	6373
Streptococchi f.	U.F.C.	1440	2125	3138	310	2100	564	106	2362	3380	1772	7255	1501	1013	2082

* Coincidente al limite di rilevabilità

Fiume Secchia

Parametri		Fiume Secchia - Castellarano													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	7.280	9.435	16.252	4.585	9.390									9.388
Temperatura	°C	11.1	10.3	10.7	13.0	10.5	10.2	12.1	3.2	11.0	12.4	11.6	11.3	11.5	10.7
pH		8.1	8.2	8.1	8.0	8.0	8.1	8.0	8.0	8.1	8.0	8.1	8.2	8.2	8.1
Durezza	°F	37.5	37.0	34.9	37.7	39.2	38.2	39.8	39.4	36.8	45.3	40.2	40.5	44.5	39.3
Conducibilità	uS/cm	1268	1209	947	1192	1178	1189	1283	1096	1035	1557	1315	1312	1450	1233
Mat. in Sosp.	mg/l	31	46	72	33	68	27	21	36	42	235	81	81	14	60
Ossigeno (%sat.)		111	110	109	104	101	112	89	83	99	96	95	100	105	101
B.O.D.	mg/l	3	2*	2*	2*	2*	2*	2*	2	2	2	2	1	1	2
C.O.D.	mg/l	9	7	5*	5*	6	5*	8	7	7	10	6	4	4	7
Fosforo tot. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.09	0.03	0.10	0.04	0.04	0.01	0.05
Fosforo reat. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Azoto ammoniacale (N)	mg/l	0.10	0.10	0.12	0.16	0.13	0.11	0.13	0.09	0.03	0.09	0.05	0.05	0.08	0.09
Azoto nitroso (N)	mg/l	0,03*	0,03*	0,03*	0,01*	0,01*	0,01*	0,01*	0,01*	0,01*	0.02	0.01	0.01	0.01	0.01
Azoto nitrico (N)	mg/l	0.5	0.5	0.7	0.4	0.6	0.7	0.5	0.5	0.5	0.6	0.9	0.5	0.3	0.6
Solfati (SO4)	mg/l	242.0	223.1	185.1	241.0	238.1	246.6	265.0	252.2	225.1	255.8	244.0	252.3	282.2	242.5
Cloruri (Cl)	mg/l	221.7	195.7	117.5	189.8	197.9	181.0	214.2	152.2	150.5	290.9	223.9	225.3	280.9	203.2
Boro	µg/l	213	200	202	166	173	151	144	125	111	108	81	124	103	146
Escherichia coli	U.F.C.	3161	3713	6413	2419	3758	1440	438	299	764	1393	820	241	203	1928
Streptococchi f.	U.F.C.	752	1135	800	168	1213	190	75	201	743	1690	794	673	126	658

Parametri		Torrente Fossa di Spezzano													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	-	0.268	0.621	0.125	0.301	0.346	0.376		0.612	0.310	0.700	0.598	0.450	0.428
Temperatura	°C	14.0	11.6	13.1	12.5	11.5	11.9	15.9	7.6	13.6	15.3	14.0	14.3	13.4	13.0
pH		7.9	8.0	8.0	7.8	7.7	8.0	8.0	7.9	7.8	8.2	8.0	8.2	8.1	8.0
Durezza	°F	35.8	36.7	34.8	43.2	34.2	37.0	37.2	40.8	36.3	40.5	36.9	38.4	43.3	38.1
Conducibilità	uS/cm	1165	1144	990	1397	1143	1173	1123	1214	1080	1243	1152	1108	1305.36	1172
Mat. in Sosp.	mg/l	49	22	69	20	47	55	16	307	27	20	152	66	11	66
Ossigeno (%sat.)		88	73	93	74	64	83	85	86	87	76	87	97	92.6364	83
B.O.D.	mg/l	6	6	7	6	14	7	8	8	4	3	4	5	4	6
C.O.D.	mg/l	19	21	18	16	40	21	25	26	17	14	20	27	15	21
Fosforo tot. (P)	mg/l	0.32	0.38	0.62	0.35	0.47	0.40	0.32	0.81	0.35	0.87	1.03	0.64	0.39	0.54
Fosforo reat. (P)	mg/l	0.21	0.20	0.37	0,1*	0.29	0.25	0,1*	0.55	0.24	0.76	0.80	0.44	0.28	0.40
Azoto ammoniacale (N)	mg/l	1.96	2.62	4.43	2.98	3.72	2.72	2.66	0.94	0.60	0.16	0.57	0.45	0.33	1.86
Azoto nitroso (N)	mg/l	0.18	0.30	0.03	0.29	0.18	0.40	0.17	0.11	0.04	0.11	0.10	0.07	0.23	0.17
Azoto nitrico (N)	mg/l	2.2	2.4	2.7	2.5	2.2	4.6	2.8	3.5	4.7	5.9	6.1	3.5	3.1	3.6
Solfati (SO4)	mg/l	208.4	193.7	152.2	245.6	201.7	190.5	213.0	212.1	179.5	178.4	176.9	172.8	209.6	195.0
Cloruri (Cl)	mg/l	156.5	144.5	89.8	212.8	176.8	153.9	176.6	155.0	132.1	166.1	149.0	158.9	212.1	160.3
Boro	µg/l	923	1173	770	1152	896	1162	639	793	608	855	606	480	415	805
Escherichia coli	U.F.C.	87525	117450	122625	93600	684000	38847	90877	31227	24836	8206	52200	58582	6609.09	108968
Streptococchi f.	U.F.C.	29000	18375	20250	7500	48500	5718	10364	18964	8508	4472	22650	36952	4168.18	18109

* Coincidente al limite di rilevabilità

Fiume Secchia

Parametri		Torrente Tresinaro													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	1.563	1.050	1.720	0.352	0.270									0.99
Temperatura	°C	12.3	11.4	11.6	13.5	10.9	9.3	14.1	11.4	13.6	12.4	12.9	12.9	13.7	12.3
pH		8.1	8.1	7.9	7.9	7.9	8.0	8.1	8.0	8.0	7.8	8.1	8.2	8.1	8.0
Durezza	°F	34.3	35.6	35.2	40.4	36.2	35.8	35.6	37.6	32.8	40.0	36.6	33.0	37.7	36.2
Conducibilità	uS/cm	978	893	807	1167	1104	973	1054	997	901	1093	940	807	1068	983
Mat. in Sosp.	mg/l	73	61	109	60	119	138	43	61	54	79	167	73	39	83
Ossigeno (%sat.)		97	92	98	84	73	92	84	75	96	76	94	84	99	88
B.O.D.	mg/l	4	4	2*	2*	7	4	3	5	4	6	4	6	6	5
C.O.D.	mg/l	16	13	11	10	17	13	13	19	14	16	16	17	19	15
Fosforo tot. (P)	mg/l	0.24	0.36	0.36	0.47	0.83	0.64	0.45	0.57	0.25	0.79	0.36	0.41	0.58	0.48
Fosforo reat. (P)	mg/l	0,1*	0,1*	0,1*	0.22	0.55	0.53	0.30	0.39	0.19	0.50	0.20	0.28	0.34	0.35
Azoto ammoniacale (N)	mg/l	0.38	0.63	0.43	0.63	1.73	1.58	0.94	1.06	0.67	2.10	0.69	1.03	0.79	0.97
Azoto nitroso (N)	mg/l	0.14	0.11	0.03	0.10	0.19	0.22	0.11	0.18	0.06	0.13	0.10	0.06	0.18	0.12
Azoto nitrico (N)	mg/l	2.2	2.0	3.1	2.5	2.4	3.4	1.7	3.4	2.3	2.8	3.9	1.9	1.1	2.5
Solfati (SO4)	mg/l	192.6	170.2	146.1	228.3	217.5	193.7	215.6	194.3	176.4	174.6	217.6	150.6	175.5	188.7
Cloruri (Cl)	mg/l	98.0	71.4	44.5	157.4	153.3	81.7	155.2	108.2	77.7	115.5	93.8	78.7	135.3	105.4
Boro	µg/l	543	584	420	479	712	538	403	456	394	466	335	338	296	459
Escherichia coli	U.F.C.	21360	94050	100800	36000	300375	32190	23518	4675	8331	13340	27217	11906	7764	52425
Streptococchi f.	U.F.C.	6513	9825	5275	5300	16625	3078	1244	4187	7768	6654	10767	9728	5044	7077

Parametri		Fiume Secchia - Ponte di Rubiera													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	-	12.000												12.00
Temperatura	°C	12.8	12.5	11.3	13.6	11.9	10.9	12.2	11.8	13.0	15.3	12.7	13.7	13.1	12.7
pH		8.0	8.1	8.1	7.9	8.0	8.2	8.1	7.9	8.0	8.1	8.1	8.3	8.2	8.1
Durezza	°F	34.7	33.7	33.3	35.7	32.3	32.0	36.1	32.2	32.5	34.9	34.7	33.7	35.1	33.9
Conducibilità	uS/cm	1113	1097	876	1120	1029	983	1102	829	925	1211	1118	999	1139	1042
Mat. in Sosp.	mg/l	58	70	120	34	188	82	36	63	76	350	148	182	35	111
Ossigeno (%sat.)		109	103	102	108	93	90	96	91	100	99	110	104	99	100
B.O.D.	mg/l	3	3	2*	3	3	3	2	3	2	4	3	5	3	3
C.O.D.	mg/l	13	10	8	9	11	8	9	10	8	23	11	14	6	11
Fosforo tot. (P)	mg/l	0,1*	0.24	0,1*	0,1*	0,1*	0.18	0,1*	0.14	0.08	0.17*	0.21	0.19	0.09	0.16
Fosforo reat. (P)	mg/l	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0,1*	0.03	0.03	0.04	0.12	0.07	0.03	0.05
Azoto ammoniacale (N)	mg/l	0.20	0.33	0.23	0.29	0.34	0.44	0.30	0.15	0.11	0.16	0.18	0.19	0.22	0.24
Azoto nitroso (N)	mg/l	0,03*	0.07	0.02	0.03	0.03	0.04	0.03	0.03	0.02	0.05	0.03	0.04	0.03	0.04
Azoto nitrico (N)	mg/l	0.9	1.1	0.8	0.6	0.8	1.3	0.6	0.9	1.3	0.9	1.4	1.0	0.5	0.9
Solfati (SO4)	mg/l	217.7	197.1	169.0	221.9	203.2	200.0	251.0	170.6	177.5	202.6	202.8	167.6	209.5	199.3
Cloruri (Cl)	mg/l	166.9	163.9	98.6	177.0	165.4	136.0	180.2	96.3	103.5	201.2	177.7	131.2	201.1	153.8
Boro	µg/l	298	492	225	318	225	180	235	160	179	309	140	234	164	243
Escherichia coli	U.F.C.	6246	15165	12600	9180	34650	6540	2280	1409	2524	2966	4278	2015	1350	7785
Streptococchi f.	U.F.C.	2440	3150	1300	825	4225	577	495	683	5327	2164	3929	1297	619	2079

* Coincidente al limite di rilevabilità

Fiume Secchia

Parametri		Fiume Secchia - Ponte Bondanello													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	16.090	19.174	20.140	7.744	12.743	12.950	11.389	11.500	23.067	17.015	43.110	18.23545	13.040	17.400
Temperatura	°C	12.9	13.8	13.1	12.8	12.2	14.3	13.7	9.7	13.7	14.3	13.6	13.4	14.3	13.2
pH		8.0	8.0	7.9	7.9	8.0	8.0	8.0	7.8	7.9	8.0	7.9	8.0	8.0	8.0
Durezza	°F	36.4	33.8	36.0	41.4	38.4	34.6	35.5	37.4	29.3	42.0	38.2	41.4	41.6	37.4
Conducibilità	uS/cm	964	1021	953	1057	1040	921	1008	903	797	1156	1080	1020	1053	998
Mat. in Sosp.	mg/l	104	726	249	170	161	112	139	122	270	175	668	230	85	247
Ossigeno (%sat.)		75	79	94	79	80	89	82	68	87	92	87	86	90	84
B.O.D.	mg/l	4	3	3	2*	3	4	3	3	3	3	3	4	3	3
C.O.D.	mg/l	13	11	10	9	10	13	11	10	17	15	22	18	9	13
Fosforo tot. (P)	mg/l	0.25	0.33	0.25	0.22	0.1*	0.21	0.23	0.24	0.16	0.17	0.29	0.14	0.10	0.22
Fosforo reat. (P)	mg/l	0.1*	0.1*	0.1*	0.1*	0.1*	0.1*	0.1*	0.02	0.04	0.03	0.03	0.04	0.03	0.03
Azoto ammoniacale (N)	mg/l	0.25	0.30	0.16	0.34	0.36	0.37	0.34	0.27	0.41	0.23	0.13	0.24	0.19	0.28
Azoto nitroso (N)	mg/l	0.03*	0.07	0.03*	0.03	0.03	0.05	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.03
Azoto nitrico (N)	mg/l	1.1	1.0	1.1	0.9	0.8	1.4	0.8	0.9	1.1	1.1	1.6	1.1	0.7	1.0
Solfati (SO4)	mg/l	179.3	189.7	194.8	224.8	229.3	174.7	214.6	187.4	131.3	206.1	202.0	182.5	203.2	193.8
Cloruri (Cl)	mg/l	120.6	150.1	96.3	122.9	143.6	108.5	142.3	93.8	83.4	142.1	155.0	103.7	123.9	122.0
Boro	µg/l	227	273	229	307	178		213	222	171	280	182	247	207	228
Escherichia coli	U.F.C.	6118	6359	24818	3825	5625	4839	4263	953	1403	785	5773	649	1246	5127
Streptococchi f.	U.F.C.	736	803	3667	498	325	417	933	400	2172	1071	7037	1216	742	1540

Parametri		Canale Emissario													
		Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media	Media
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	94-06
Portata	mc/sec	3.170	3.652	3.941	2.120	1.815	1.921	2.127	1.000						2.468
Temperatura	°C	12.5	14.1	13.8	13.8	13.3	15.0	14.1	10.7	14.5	15.8	15.5	14.8	14.7	14.0
pH		7.8	7.8	7.8	7.8	7.9	7.8	7.8	7.7	7.7	7.9	7.7	7.9	7.9	7.8
Durezza	°F	36.6	39.8	38.1	39.2	37.0	34.3	36.3	41.5	38.9	41.8	38.1	42.1	45.1	39.1
Conducibilità	uS/cm	1046	1200	996	1213	1196	1107	1205	1105	1079	1121	1003	1062	1255.91	1122
Mat. in Sosp.	mg/l	31	37	29	27	32	43	26	35	54	83	103	78	48	48
Ossigeno (%sat.)		52	49	60	42	57	74	49	44	64	63	65	64	61	57
B.O.D.	mg/l	6	6	5	5	7	6	5	6	8	7	6	7	7	6
C.O.D.	mg/l	23	21	17	17	20	25	27	23	26	26	26	28	25	23
Fosforo tot. (P)	mg/l	0.70	0.70	0.50	0.60	0.77	0.71	0.70	0.56	0.48	0.71	0.48	0.40	0.37	0.59
Fosforo reat. (P)	mg/l	0.47	0.41	0.33	0.42	0.62	0.47	0.46	0.36	0.29	0.49	0.28	0.18	0.15	0.38
Azoto ammoniacale (N)	mg/l	1.71	2.34	1.71	1.88	2.34	3.35	1.53	2.09	1.52	1.84	1.15	1.17	1.34	1.84
Azoto nitroso (N)	mg/l	0.21	0.26	0.18	0.19	0.26	0.23	0.20	0.14	0.08	0.17	0.11	0.11	0.16	0.18
Azoto nitrico (N)	mg/l	3.1	3.7	3.0	1.7	2.4	3.6	2.8	2.3	5.7	2.9	5.0	2.1	1.7	3.1
Solfati (SO4)	mg/l	121.5	132.9	115.5	124.2	111.1	114.4	123.2	128.8	107.2	103.3	120.5	100.9	119.9	117.2
Cloruri (Cl)	mg/l	119.6	159.5	104.5	178.9	195.3	157.0	176.6	135.6	128.1	166.1	114.4	121.8	201.5	150.7
Boro	µg/l	389	705	295	447	472		403	360	339	331	232	260	304	378
Escherichia coli	U.F.C.	41580	14063	44100	24975	13500	10406	7750	1744	5160	7730	7511	1085	1856	13958
Streptococchi f.	U.F.C.	1968	2413	3613	2238	820	714	316	694	2161	1590	5111	986	407	1771

* Coincidente al limite di rilevabilità

Fiume Secchia

Parametri	Cavo Parmigiana Moglia					
	Media	Media	Media	Media	Media	Media
	2002	2003	2004	2005	2006	94-06
Portata	mc/sec					
Temperatura	°C	14.3	13.9	14.8	14.6	14.3
pH		7.8	7.8	7.8	8.1	8.0
Durezza	°F	28.1	32.8	31.1	35.2	30.9
Conducibilità	uS/cm	752	803	696	778	755
Mat. in Sosp.	mg/l	91	74	114	57	47
Ossigeno (%sat.)		82	84	77	84	89
B.O.D.	mg/l	7	7	5	6	7
C.O.D.	mg/l	22	20	23	23	20
Fosforo tot. (P)	mg/l	0.37	0.34	0.51	0.26	0.23
Fosforo reat. (P)	mg/l	0.19	0.17	0.19	0.11	0.08
Azoto ammoniacale (N)	mg/l	1.59	0.95	0.83	0.79	0.67
Azoto nitroso (N)	mg/l	0.06	0.07	0.07	0.06	0.14
Azoto nitrico (N)	mg/l	2.7	2.6	3.8	2.0	1.5
Solfati (SO4)	mg/l	79.3	79.6	80.3	91.5	85.6
Cloruri (Cl)	mg/l	72.6	59.5	66.5	66.9	73.9
Boro	µg/l	221	231	182	187	191
Escherichia coli	U.F.C.	1063	333	3472	516	109
Streptococchi f.	U.F.C.	1599	342	3523	407	64

