

MONITORAGGIO QUALITA DELLE ACQUE

CALCIO - anno 2017 -

- criterio 3.2.5 ASC Freshwater trout Standard (Appendix IIB) -

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
14/07/2017	pH	INLET	SINGLE GRAB	YES	YES	7,90
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	3,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,010
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,50
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,010
	pH	OUTLET	SINGLE GRAB	YES	YES	7,9
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	4,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,010
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,02	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
11/08/2017	pH	INLET	SINGLE GRAB	YES	YES	7,84
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	2,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,60
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,83
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,01
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,01	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
15/09/2017	pH	INLET	SINGLE GRAB	YES	YES	7,77
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,70
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,79
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	4,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,03
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,60	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,02	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
13/10/2017	pH	INLET	SINGLE GRAB	YES	YES	7,72
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	3,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,2
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	4,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,09
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,80	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,02	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
17/11/2017	pH	INLET	SINGLE GRAB	YES	YES	7,68
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,65
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	3,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,05
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,40	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,01	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY	RESULT
15/12/2017	pH	INLET	SINGLE GRAB	YES	YES	7,62
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	5,10
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,6
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,02
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,30	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,01	

SATURAZIONE MINIMA di OSSIGENO DISCIOLTO

CALCIO - anno 2017 -

- criterio 3.2.2 ASC Freshwater trout Standard (Appendix IIB) -

ACQUA IN USCITA VASCHE ALLEVAMENTO

MESE	DATA RILEVAZIONE	OSSIGENO DISCIOLTO [mg/l]	TEMPERATURA	PRESSIONE [mmHg]	VALORE SATURAZIONE DI O ₂ [mg/l]	SATURAZIONE PERCENTUALE [%]
GENNAIO				748,52		
FEBBRAIO				748,52		
MARZO				748,52		
APRILE				748,52		
MAGGIO				748,52		
GIUGNO				748,52		
LUGLIO	14/07/2017	10,3	12,8	748,52	10,43	98,75
AGOSTO	11/08/2017	10,1	12,9	748,52	10,41	97,02
SETTEMBRE	15/09/2017	10,3	12,6	748,52	10,48	98,28
OTTOBRE	13/10/2017	10,3	11,4	748,52	10,77	95,64
NOVEMBRE	17/11/2017	10,5	10,6	748,52	10,97	95,72
DICEMBRE	15/12/2017	10,8	10,1	748,52	10,92	98,90

La % di saturazione di OD (concentrazione di ossigeno disciolto; in inglese DO) è data dal rapporto, in % appunto, tra l'effettiva quantità di OD e il massimo valore possibile in funzione della temperatura e dell'altitudine.

Altitudine CALCIO= 123m.

Pressione in funzione dell'altitudine: $p = 0,9877^q$; dove P=pressione in atm - q=altitudine in centinaia di metri (nel caso di TORRE q=1,23), da cui $p = 0,984892 \text{atm}$ (748,52mm di Hg)