

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
31/01/2025	pH	INLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	1,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,04
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	pH	OUTLET	SINGLE GRAB	YES	YES	7,60
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	20,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	23,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,29
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,20	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
18/02/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	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	0,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,10
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	14,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	3,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,12
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,06	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
29/03/2024	pH	INLET	SINGLE GRAB	YES	YES	8,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	3,90
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	2,52
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	9,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,04
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,54
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	0,02
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,16
	pH	OUTLET	SINGLE GRAB	YES	YES	7,60
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	9,90
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	1,29
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,45
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,56
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,02	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,29	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
30/04/2025	pH	INLET	SINGLE GRAB	YES	YES	7,30
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	6,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,08
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,70
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	22,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	24,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,21
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,60	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
30/05/2025	pH	INLET	SINGLE GRAB	YES	YES	7,40
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	8,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,09
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	pH	OUTLET	SINGLE GRAB	YES	YES	7,70
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	24,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	26,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,19
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,50	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
30/06/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	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	0,60
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,60
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	22,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	7,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	28,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,22
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,60	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,04	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
19/07/2024	pH	INLET	SINGLE GRAB	YES	YES	8,30
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	3,50
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	2,43
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	9,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,04
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,560
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	0,02
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,16
	pH	OUTLET	SINGLE GRAB	YES	YES	8,30
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	11,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,61
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	10,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,42
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,560
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,02	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,16	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
29/08/2025	pH	INLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	3,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,09
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,40
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	pH	OUTLET	SINGLE GRAB	YES	YES	7,40
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	26,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	8,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	29,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,25
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,80	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
30/09/2025	pH	INLET	SINGLE GRAB	YES	YES	7,20
	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	0,80
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,30
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	11,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	3,00
	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	0,12
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,04	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
31/10/2025	pH	INLET	SINGLE GRAB	YES	YES	7,20
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,06
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	1,20
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	pH	OUTLET	SINGLE GRAB	YES	YES	7,40
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	18,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	20,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,20
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,19
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	2,00	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,10	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
11/11/2025	pH	INLET	SINGLE GRAB	YES	YES	8,10
	SOS (mg/l)	INLET	SINGLE GRAB	YES	YES	9,00
	BOD (mg/l)	INLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	INLET	SINGLE GRAB	YES	YES	15,00
	N amm (mg/l)	INLET	SINGLE GRAB	YES	YES	0,10
	N nitroso (mg/l)	INLET	SINGLE GRAB	YES	YES	0,56
	N nitrico (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,03
	pH	OUTLET	SINGLE GRAB	YES	YES	7,67
	SOS (mg/l)	OUTLET	SINGLE GRAB	YES	YES	11,00
	BOD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	5,00
	COD (mg/l)	OUTLET	SINGLE GRAB	YES	YES	15,00
	N amm (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,40
	N nitroso (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,59
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,01	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,03	

DATE	ANALYSIS	LOCATION	METHOD	SAMPLING BY THIRD PARTY?	ANALYSIS BY THIRD PARTY?	RESULT
18/12/2025	pH	INLET	SINGLE GRAB	YES	YES	7,10
	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	0,80
	P tot (mg/l)	INLET	SINGLE GRAB	YES	YES	0,01
	pH	OUTLET	SINGLE GRAB	YES	YES	7,10
	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	0,09
N nitrico (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,90	
P tot (mg/l)	OUTLET	SINGLE GRAB	YES	YES	0,03	

ACQUA IN USCITA VASCHE ALLEVAMENTO						
MESE	DATA RILEVAZIONE	OSSIGENO DISCIOLTO [mg/l]	TEMPERATURA	PRESSIONE [mmHg]	VALORE SATURAZIONE DI O <sub>2</sub> [mg/l]	SATURAZIONE PERCENTUALE [%]
GENNAIO	31/01/2025	10,8	9,8	715,85	10,86	99,46
FEBBRAIO	18/02/2025	10,5	8,9	715,85	11,21	93,66
MARZO	29/03/2024	10,5	12,2	715,85	10,59	99,17
APRILE	30/04/2025	10	11,5	715,85	10,18	98,26
MAGGIO	30/05/2025	10,3	11	715,85	10,38	99,23
GIUGNO	30/06/2025	9,9	12	715,85	9,97	99,26
LUGLIO	19/07/2024	9,8	12,2	715,85	9,89	99,07
AGOSTO	29/08/2025	10,1	11,5	715,85	10,18	99,24
SETTEMBRE	30/09/2025	9,9	11,7	715,85	10,10	98,06
OTTOBRE	31/10/2025	10,1	11,2	715,85	10,30	98,07
NOVEMBRE	11/11/2025	10,2	11,3	715,85	10,26	99,43
DICEMBRE	18/12/2025	10,2	10,5	715,85	10,58	96,41

1. Pressione atmosferica (IN hPa) in funzione dell'altitudine (in metri)
$P(h)=1013.25 \times (1 - h/44330)^{5.255}$
2. Co (mg/L)
$Co(T)=aT^2 + bT + c$ $a=-0.0035$ $b=-0.4006$ $c=14.6$ T è la temperatura in gradi Celsius (°C)
2. Saturazione dell'ossigeno in acqua dolce (mg/L)
$C(T,h)=Co \times P(h)/1013.25$ h è l'altitudine in metri (m) P(h) è la pressione atmosferica in hPa calcolata con la formula sopra

Altitudine (m) SEFRO	Pressione (hPa)	Pressione (mmHg)	Temperatura (°C)	Co	SATURAZIONE di O <sub>2</sub> (mg/l)	Ossigeno disciolto (mg/l)	Saturazione %
502	954,39	715,85	9,8	11,53	10,86	10,8	99,46
502	954,39	715,85	8,9	11,90	11,21	10,5	93,66
502	954,39	715,85	12,2	11,24	10,59	10,5	99,17
502	954,39	715,85	11,5	10,81	10,18	10	98,26
502	954,39	715,85	11	11,02	10,38	10,3	99,23
502	954,39	715,85	12	10,59	9,97	9,9	99,26
502	954,39	715,85	12,2	10,50	9,89	9,8	99,07
502	954,39	715,85	11,5	10,81	10,18	10,1	99,24
502	954,39	715,85	11,7	10,72	10,10	9,9	98,06
502	954,39	715,85	11,2	10,93	10,30	10,1	98,07
502	954,39	715,85	11,3	10,89	10,26	10,2	99,43
502	954,39	715,85	10,5	11,23	10,58	10,2	96,41