

Appendix A

Photographs A1 to A8



View along the western embankment looking north.



Panorama from western embankment looking east.



View of water level measuring staff and safety ring.



View along decant accessway, note water recovery pump in centre of photo.



View from north east corner of main embankment looking south note vegetation cover.



Underdrainage water recovery sump and pump.



View looking south from sump, along main embankment toe.



View looking north from sump, note water in drain adjacent sump. Pondered water cannot flow into sump.



Underdrainage water flowing into sump for return to the process plant.



View of Main Embankment southern end looking north.



PZH002D and S suite of bores downstream of main embankment.



View of Main Embankment southern end looking south.



View along the southern side of TD1 showing new embankment looking west.



View along south western side of TD1 looking north west.



Panorama over TD1 looking north from the southern side.



View along south western side of TD1, downstream looking north west.



View of pond and pump, adjacent south western embankment of TD1.



View of embankment raising works northern side of TD1, from downstream.



View of embankment raising works northern side of TD1.



View of embankment raising works northern side of TD1, looking west.



View along main embankment, upstream looking south.



View from north east corner of TD1 to decant.



View along northern embankments, upstream looking west.



View of recent tailings slurry discharge northern side of TD1.



View of erosion repair and gully erosion upslope of underdrainage sump.



Typical erosion repair at intermediate berm, northern end.



View of piping holes on intermediate berm, northern end.



View of collapsed piping hole intermediate berm, northern end.



View looking downstream along spillway channel.



View from ramp on TD1 looking west. The rig in the background is working on a new vent riser.



Spillway entrance looking to the decant.



View of main embankment at piezometer PZH005 location. There are no signs of seepage.

Appendix B

Monitoring Information

Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		SWL (m)
PZH001	23/02/22 00:00	8.91
	17/05/22 00:00	8.75
	19/08/22 00:00	8.33
	21/11/22 00:00	8.04
PZH002	23/02/22 00:00	30.37
	17/05/22 00:00	30.17
	19/08/22 00:00	28.49
	21/11/22 00:00	25.42
PZH003	23/02/22 00:00	60.93
	17/05/22 00:00	60.15
	19/08/22 00:00	59.15
	21/11/22 00:00	58.72
PZH005	23/02/22 00:00	14.02
	17/05/22 00:00	13.89
	19/08/22 00:00	13.19
	21/11/22 00:00	8.59
PZH006	23/02/22 00:00	37.85
	17/05/22 00:00	38.04
	19/08/22 00:00	37.52
	21/11/22 00:00	31.59
PZH007	29/03/22 00:00	42.44
	21/06/22 00:00	42.56
	19/09/22 00:00	40.71
	09/12/22 00:00	35.11
PZH008	29/03/22 00:00	17.29
	21/06/22 00:00	17.39



Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		SWL (m)
PZH008	19/09/22 00:00	15.28
	09/12/22 00:00	14.97
PZH009	29/03/22 00:00	12.95
	21/06/22 00:00	12.95
	19/09/22 00:00	11.21
	09/12/22 00:00	10.74
PZH013	29/03/22 00:00	39.54
	21/06/22 00:00	36.55
	20/09/22 00:00	36.59
	21/12/22 00:00	36.59
PZH014	29/03/22 00:00	46.37
	21/06/22 00:00	46.49
	19/09/22 00:00	42.94
	09/12/22 00:00	42.57
PZH015	29/03/22 00:00	50.38
	21/06/22 00:00	50.49
	19/09/22 00:00	48.91
	09/12/22 00:00	48.62
PZH017	11/01/22 00:00	43.07
	10/05/22 00:00	42.21
	12/07/22 00:00	42.42
	24/11/22 00:00	39.96
PZH018	11/01/22 00:00	20.68
	10/05/22 00:00	18.71
	12/07/22 00:00	16.71
	24/11/22 00:00	13.74



Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		SWL (m)
PZH019	11/01/22 00:00	93.91
	10/05/22 00:00	93.54
	12/07/22 00:00	93.59
	21/11/22 00:00	92.07
PZH020	11/01/22 00:00	73.34
	10/05/22 00:00	72.96
	12/07/22 00:00	73.06
	24/11/22 00:00	71.03
PZH021	11/01/22 00:00	48.35
	10/05/22 00:00	48.03
	12/07/22 00:00	48.16
	17/11/22 00:00	44.94



Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		Pb - D (mg/L)	Mg - D (mg/L)	Mn - D (mg/L)	Hg - D (mg/L)	Ni - D (mg/L)	pH (pH Unit)	K - D (mg/L)	Na - D (mg/L)	Sulfate as SO4 - (mg/L)	Total Dissolved Soli (mg/L)	V - D (mg/L)
PZH001	22/02/22 00:00	<0.001	537	0.008	<0.000	0.003	8.05	8	2660	2260	11100	<0.01
	17/05/22 00:00	<0.001	522	0.006	<0.000	0.003	7.73	9	2520	2220	10000	<0.01
	19/08/22 00:00	<0.001	528	0.013	<0.000	0.004	8.02	9	2590	1930	9890	<0.01
	21/11/22 00:00	<0.001	527	0.002	<0.000	0.002	7.88	9	2660	2160	9890	<0.01
PZH002	23/02/22 00:00	<0.001	399	0.197	<0.000	0.002	8.01	12	2360	1950	9670	<0.01
	17/05/22 00:00	<0.001	384	0.130	<0.000	0.001	7.61	14	2250	1940	8600	<0.01
	19/08/22 00:00	<0.001	390	0.097	<0.000	0.002	7.98	13	2280	1680	8540	<0.01
	21/11/22 00:00	<0.001	396	0.039	<0.000	<0.001	7.66	13	2390	1880	8870	<0.01
PZH003	23/02/22 00:00	<0.001	698	0.274	<0.000	0.004	7.99	31	3200	2290	13000	<0.01
	17/05/22 00:00	0.002	672	0.223	<0.000	0.004	7.61	33	3050	2290	13000	<0.01
	19/08/22 00:00	0.002	691	0.233	<0.000	0.006	7.92	30	3160	2010	12600	<0.01
	21/11/22 00:00	<0.001	701	0.235	<0.000	0.004	7.70	32	3230	2300	12700	<0.01
PZH005	23/02/22 00:00	<0.001	651	0.168	<0.000	0.034	7.81	11	2560	1140	11400	<0.01
	17/05/22 00:00	<0.001	523	0.160	<0.000	0.005	7.84	16	2550	2230	10100	<0.01
	19/08/22 00:00	0.003	630	0.162	<0.000	0.008	8.01	27	2950	1850	10700	<0.01
	21/11/22 00:00	0.002	628	0.150	<0.000	0.025	7.63	11	2480	1090	10100	<0.01
PZH006	23/02/22 00:00	0.001	548	0.179	<0.000	0.015	8.10	12	2600	1790	8610	<0.01
	17/05/22 00:00	<0.001	519	0.166	<0.000	0.004	7.84	15	2530	2140	10200	<0.01
	19/08/22 00:00	0.002	501	0.116	<0.000	0.007	8.12	20	2540	1880	9750	<0.01
	21/11/22 00:00	<0.001	482	0.216	<0.000	0.005	7.34	7	1770	2040	7670	<0.01
PZH007	29/03/22 00:00	0.014	191	1.73	<0.000	0.012	7.73	28	1110	721	3820	0.03
	21/06/22 00:00	<0.001	307	1.54	<0.000	0.007	7.83	24	1940	932	5720	0.01
	19/09/22 00:00	<0.001	557	0.064	<0.000	0.011	8.05	14	2840	2140	11200	<0.01
	09/12/22 00:00	0.043	204	3.30	<0.000	0.041	8.19	26	1240	891	4930	0.06
PZH008	29/03/22 00:00	<0.001	509	0.083	<0.000	0.001	7.27	10	2330	1660	9970	<0.01
	21/06/22 00:00	<0.001	468	0.095	<0.000	<0.001	7.54	10	2260	1540	9220	<0.01

Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		Zn - D (mg/L)
PZH001	22/02/22 00:00	0.037
	17/05/22 00:00	0.030
	19/08/22 00:00	0.055
	21/11/22 00:00	0.034
PZH002	23/02/22 00:00	0.031
	17/05/22 00:00	0.011
	19/08/22 00:00	0.013
	21/11/22 00:00	0.008
PZH003	23/02/22 00:00	0.022
	17/05/22 00:00	0.039
	19/08/22 00:00	0.035
	21/11/22 00:00	0.085
PZH005	23/02/22 00:00	0.023
	17/05/22 00:00	0.059
	19/08/22 00:00	0.083
	21/11/22 00:00	0.021
PZH006	23/02/22 00:00	0.095
	17/05/22 00:00	0.058
	19/08/22 00:00	0.159
	21/11/22 00:00	0.034
PZH007	29/03/22 00:00	0.067
	21/06/22 00:00	0.025
	19/09/22 00:00	0.133
	09/12/22 00:00	0.418
PZH008	29/03/22 00:00	0.053
	21/06/22 00:00	0.028



Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		As - D (mg/L)	Ba - D (mg/L)	Be - D (mg/L)	Cd - D (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Cr - D (mg/L)	Co - D (mg/L)	EC @ 25°C (µS/cm)	Cu - D (mg/L)	Fe - D (mg/L)
PZH008	19/09/22 00:00	0.009	0.018	<0.001	<0.000	161	3680	<0.001	<0.001	14700	0.009	0.17
	09/12/22 00:00	0.006	0.020	<0.001	0.0001	151	4060	0.001	0.002	14000	0.012	0.56
PZH009	29/03/22 00:00	<0.001	0.048	<0.001	0.0008	179	4840	<0.001	<0.001	18200	0.070	0.09
	21/06/22 00:00	0.001	0.048	<0.001	0.0009	187	5090	<0.001	0.002	17900	0.071	0.21
	19/09/22 00:00	<0.001	0.044	<0.001	0.0008	181	4940	0.001	<0.001	19000	0.064	0.08
	09/12/22 00:00	<0.001	0.045	<0.001	0.0008	180	5350	<0.001	<0.001	18200	0.062	<0.05
PZH014	30/03/22 00:00	0.004	0.036	<0.001	0.0004	169	4250	<0.001	0.002	16100	0.014	<0.05
	21/06/22 00:00	0.004	0.046	<0.001	0.0013	180	4850	0.001	0.006	17100	0.067	0.40
	19/09/22 00:00	<0.001	0.003	<0.001	0.0002	200	4070	<0.001	<0.001	16100	0.007	<0.05
	09/12/22 00:00	<0.001	0.003	<0.001	0.0002	197	4380	<0.001	<0.001	15300	0.004	<0.05
PZH015	30/03/22 00:00	0.015	0.037	<0.001	0.0005	167	4260	0.001	0.002	16200	0.084	0.97
	21/06/22 00:00	0.004	0.041	<0.001	0.0014	156	4250	0.002	0.008	12500	0.102	0.44
	19/09/22 00:00	0.002	0.012	<0.001	0.0007	190	4400	<0.001	0.003	16800	0.107	0.07
	09/12/22 00:00	0.001	0.033	<0.001	0.0029	167	4750	0.001	0.041	16400	0.513	0.31
PZH017	11/01/22 00:00	<0.001	0.027	<0.001	<0.000	105	3570	<0.001	<0.001	10600	<0.001	0.53
	10/05/22 00:00	<0.001	0.027	<0.001	<0.000	113	3190	0.006	<0.001	11900	0.003	<0.05
	12/07/22 00:00	<0.001	0.031	<0.001	0.0009	283	7480	<0.001	0.004	22300	0.026	0.61
	24/11/22 00:00	<0.001	0.026	<0.001	0.0001	113	3600	<0.001	<0.001	12500	0.002	<0.05
PZH018	11/01/22 00:00	<0.001	0.029	<0.001	<0.000	293	8270	<0.001	0.001	21200	0.006	0.38
	10/05/22 00:00	<0.001	0.030	<0.001	<0.000	319	7560	0.020	<0.001	25500	0.018	0.20
	12/07/22 00:00	<0.001	0.028	<0.001	0.0001	292	7740	<0.001	<0.001	23400	0.019	0.08
	24/11/22 00:00	<0.001	0.027	<0.001	0.0002	313	8270	<0.001	<0.001	26100	0.014	<0.05
PZH019	11/01/22 00:00	<0.001	0.036	<0.001	0.0016	305	7160	<0.001	0.015	19300	0.061	0.89
	10/05/22 00:00	<0.001	0.034	<0.001	0.0010	271	6670	0.017	0.007	22100	0.125	0.72
	12/07/22 00:00	0.002	0.122	<0.001	0.0004	144	4260	0.002	0.004	14500	0.004	0.72
	21/11/22 00:00	<0.001	0.029	<0.001	0.0004	199	4480	0.001	0.005	15400	0.096	1.57

Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		Pb - D (mg/L)	Mg - D (mg/L)	Mn - D (mg/L)	Hg - D (mg/L)	Ni - D (mg/L)	pH (pH Unit)	K - D (mg/L)	Na - D (mg/L)	Sulfate as SO4 - (mg/L)	Total Dissolved Solids (mg/L)	V - D (mg/L)
PZH008	19/09/22 00:00	<0.001	499	0.051	<0.000	<0.001	7.65	11	2400	1890	9510	<0.01
	09/12/22 00:00	<0.001	464	0.060	<0.000	0.002	8.11	10	2210	1830	9120	<0.01
PZH009	29/03/22 00:00	<0.001	611	0.035	<0.000	0.016	7.76	16	3180	2210	11800	<0.01
	21/06/22 00:00	<0.001	584	0.040	<0.000	0.014	7.97	18	3140	2040	12200	<0.01
	19/09/22 00:00	<0.001	597	0.013	<0.000	0.015	7.88	16	3270	2810	12500	<0.01
	09/12/22 00:00	<0.001	600	0.017	<0.000	0.014	8.17	16	3350	2300	11800	<0.01
PZH014	30/03/22 00:00	<0.001	572	0.067	<0.000	0.013	7.80	14	2860	1960	8230	<0.01
	21/06/22 00:00	<0.001	545	0.126	<0.000	0.011	8.02	17	2850	1940	11400	<0.01
	19/09/22 00:00	<0.001	573	0.019	<0.000	0.002	7.59	13	2600	2100	10700	<0.01
	09/12/22 00:00	<0.001	584	0.020	<0.000	0.002	8.05	13	2640	1940	9860	<0.01
PZH015	30/03/22 00:00	<0.001	566	0.077	<0.000	0.009	7.81	14	2800	1930	11100	<0.01
	21/06/22 00:00	<0.001	572	0.151	<0.000	0.016	8.10	17	3030	1680	10100	<0.01
	19/09/22 00:00	<0.001	568	0.038	<0.000	0.005	7.86	14	2690	1930	10800	<0.01
	09/12/22 00:00	0.001	501	0.439	<0.000	0.021	8.18	14	2450	2100	10800	<0.01
PZH017	11/01/22 00:00	<0.001	287	0.047	<0.000	<0.001	7.94	14	2140	891	7560	<0.01
	10/05/22 00:00	<0.001	288	0.049	<0.000	<0.001	7.83	15	2160	973	7480	<0.01
	12/07/22 00:00	<0.001	781	0.162	<0.000	0.003	7.93	30	4180	2570	16800	<0.01
	24/11/22 00:00	<0.001	290	0.031	<0.000	<0.001	7.87	14	2250	964	7350	<0.01
PZH018	11/01/22 00:00	<0.001	848	0.343	<0.000	0.003	7.91	30	4480	2580	19600	<0.01
	10/05/22 00:00	<0.001	837	0.105	<0.000	0.003	7.92	35	4430	2470	18300	<0.01
	12/07/22 00:00	<0.001	804	0.060	<0.000	0.003	7.87	32	4300	2620	17600	<0.01
	24/11/22 00:00	<0.001	864	0.053	<0.000	<0.001	7.96	32	4680	2540	18200	<0.01
PZH019	11/01/22 00:00	<0.001	912	0.609	<0.000	0.007	7.95	32	4640	2180	16200	<0.01
	10/05/22 00:00	0.001	702	0.171	<0.000	0.007	7.97	33	3900	2080	15400	<0.01
	12/07/22 00:00	0.001	422	1.02	<0.000	0.009	7.85	21	2390	2190	10200	<0.01
	21/11/22 00:00	0.002	561	0.382	<0.000	0.007	8.23	17	2600	1810	10200	<0.01

Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		Zn - D (mg/L)
PZH008	19/09/22 00:00	0.016
	09/12/22 00:00	0.057
PZH009	29/03/22 00:00	0.098
	21/06/22 00:00	0.122
	19/09/22 00:00	0.105
	09/12/22 00:00	0.086
PZH014	30/03/22 00:00	0.039
	21/06/22 00:00	0.124
	19/09/22 00:00	0.014
	09/12/22 00:00	0.007
PZH015	30/03/22 00:00	0.232
	21/06/22 00:00	0.182
	19/09/22 00:00	0.056
	09/12/22 00:00	0.224
PZH017	11/01/22 00:00	<0.005
	10/05/22 00:00	0.009
	12/07/22 00:00	0.062
	24/11/22 00:00	0.011
PZH018	11/01/22 00:00	0.016
	10/05/22 00:00	0.031
	12/07/22 00:00	0.030
	24/11/22 00:00	0.030
PZH019	11/01/22 00:00	0.074
	10/05/22 00:00	0.126
	12/07/22 00:00	0.057
	21/11/22 00:00	0.077



Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		As - D (mg/L)	Ba - D (mg/L)	Be - D (mg/L)	Cd - D (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Cr - D (mg/L)	Co - D (mg/L)	EC @ 25°C (µS/cm)	Cu - D (mg/L)	Fe - D (mg/L)
PZH020	11/01/22 00:00	<0.001	0.034	<0.001	0.0012	263	7690	0.001	0.014	18600	0.085	1.12
	10/05/22 00:00	0.001	0.037	<0.001	0.0010	274	6650	0.017	0.009	22500	0.214	1.41
	12/07/22 00:00	<0.001	0.032	<0.001	0.0010	286	7540	0.001	0.004	22600	0.031	0.69
	24/11/22 00:00	<0.001	0.026	<0.001	0.0004	189	5070	0.001	0.006	16300	0.113	1.11
PZH021	11/01/22 00:00	<0.001	0.067	<0.001	<0.000	218	4970	<0.001	<0.001	12600	0.005	7.40
	10/05/22 00:00	<0.001	0.068	<0.001	<0.000	252	4500	0.009	<0.001	15600	0.003	5.98
	12/07/22 00:00	<0.001	0.062	<0.001	<0.000	225	4740	<0.001	<0.001	14900	<0.001	4.99
	21/11/22 00:00	<0.001	0.066	<0.001	<0.000	250	4970	<0.001	<0.001	16200	0.002	7.52



Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		Pb - D (mg/L)	Mg - D (mg/L)	Mn - D (mg/L)	Hg - D (mg/L)	Ni - D (mg/L)	pH (pH Unit)	K - D (mg/L)	Na - D (mg/L)	Sulfate as SO4 - (mg/L)	Total Dissolved Soli (mg/L)	V - D (mg/L)
PZH020	11/01/22 00:00	<0.001	782	0.517	<0.000	0.007	7.99	28	4050	2370	17000	<0.01
	10/05/22 00:00	0.003	718	0.193	<0.000	0.009	8.04	34	3950	2120	15500	<0.01
	12/07/22 00:00	<0.001	775	0.177	<0.000	0.003	8.01	31	4150	2530	16800	<0.01
	24/11/22 00:00	0.002	568	0.377	<0.000	0.008	8.01	17	2600	1300	10800	<0.01
PZH021	11/01/22 00:00	<0.001	556	1.35	<0.000	<0.001	7.90	14	2380	1550	11000	<0.01
	10/05/22 00:00	<0.001	573	1.27	<0.000	0.001	7.70	18	2530	1460	11000	<0.01
	12/07/22 00:00	<0.001	528	1.30	<0.000	<0.001	7.67	15	2390	1660	10400	<0.01
	21/11/22 00:00	<0.001	585	1.23	<0.000	<0.001	7.68	16	2730	1420	11200	<0.01

Monitoring data report for Tritton Mines



This report covers the period from: 01/01/2022 to: 31/12/2022

		Zn - D (mg/L)
PZH020	11/01/22 00:00	0.080
	10/05/22 00:00	0.183
	12/07/22 00:00	0.068
	24/11/22 00:00	0.078
PZH021	11/01/22 00:00	0.010
	10/05/22 00:00	0.012
	12/07/22 00:00	0.006
	21/11/22 00:00	<0.005



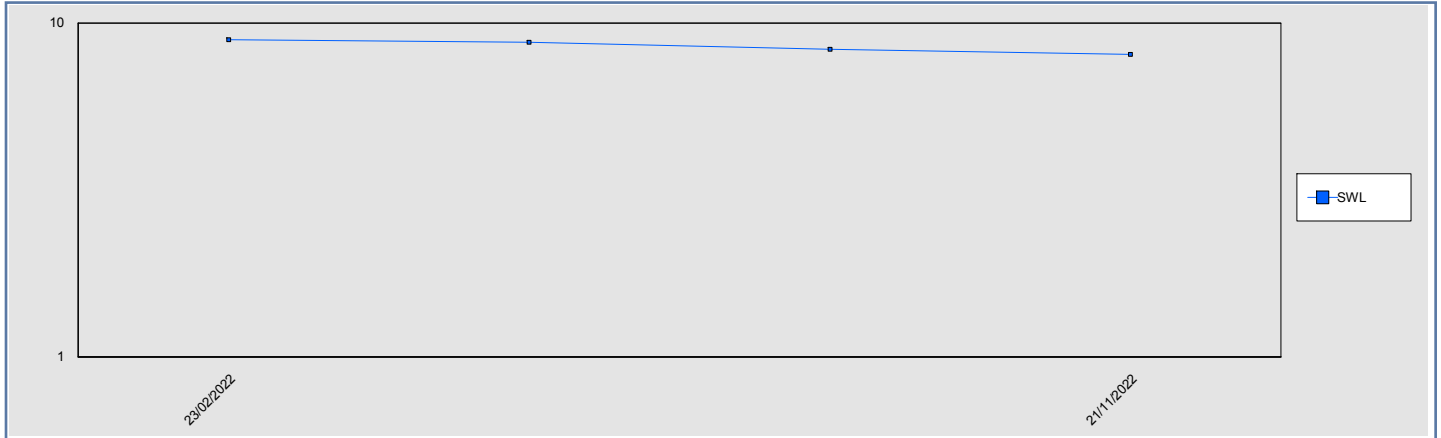
Line Graphs (Log y axis)



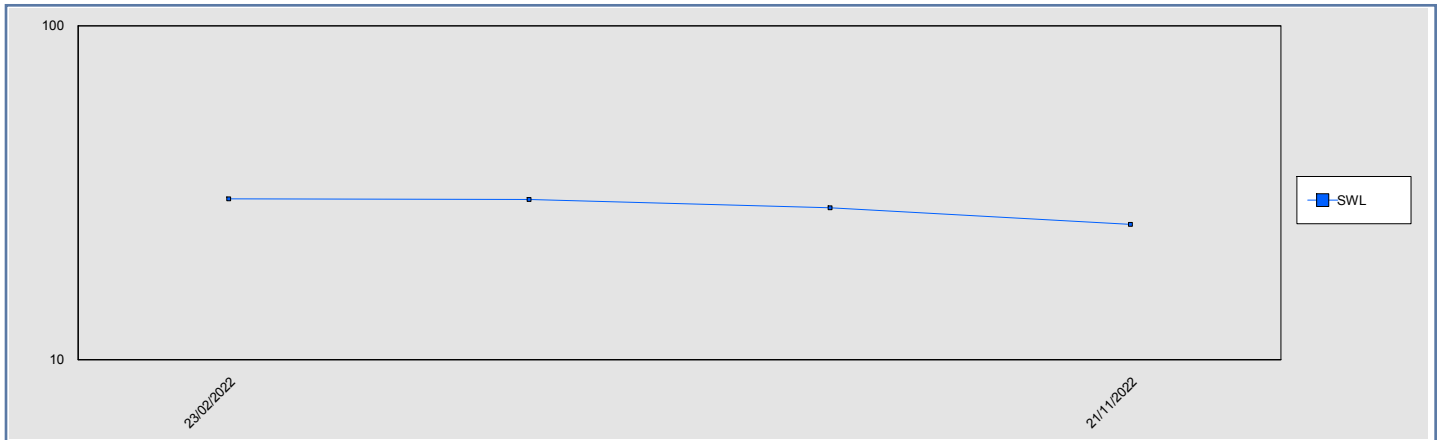
Data from 01/01/2022 to 12/31/2022

TRL
Annual Return Variables

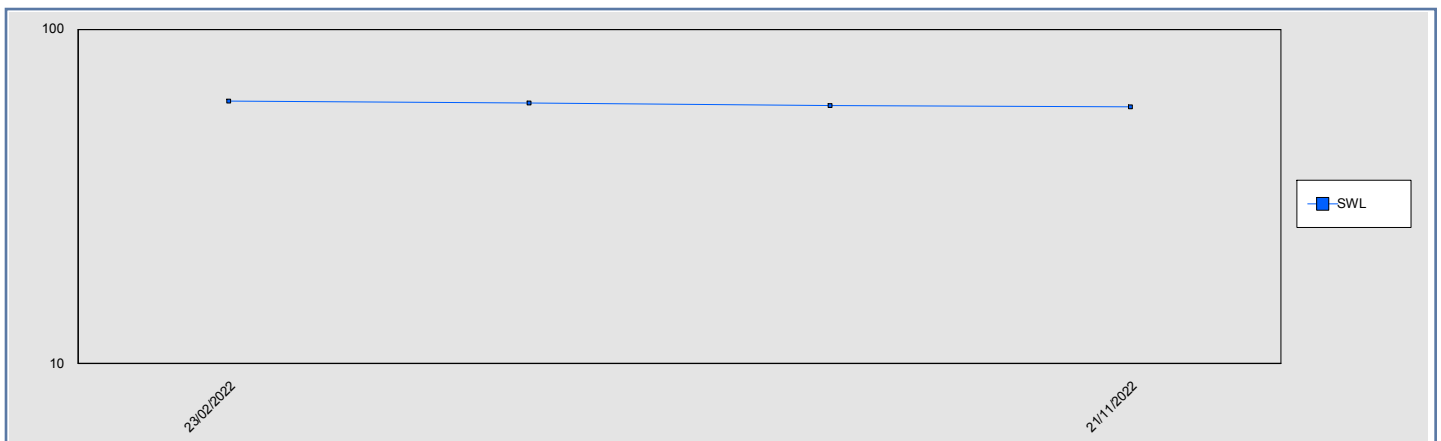
PZH001



PZH002



PZH003

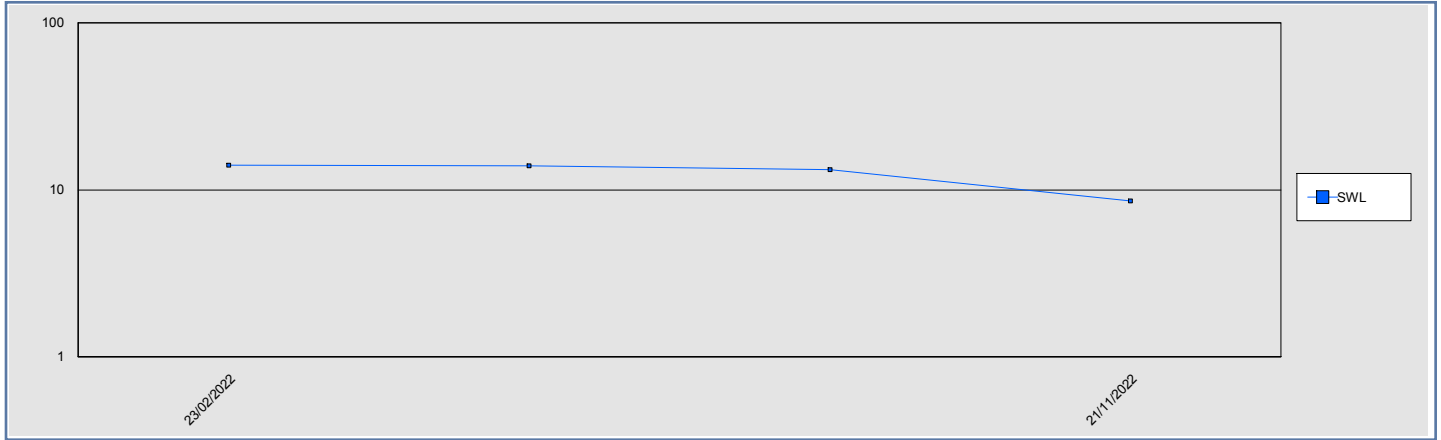


Line Graphs (Log y axis)

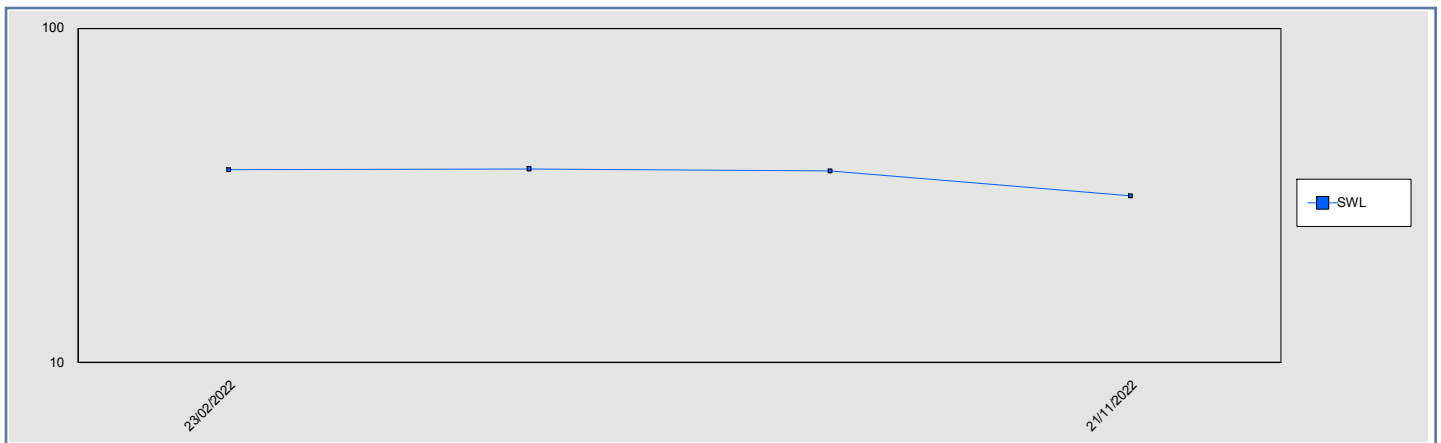


Data from 01/01/2022 to 12/31/2022

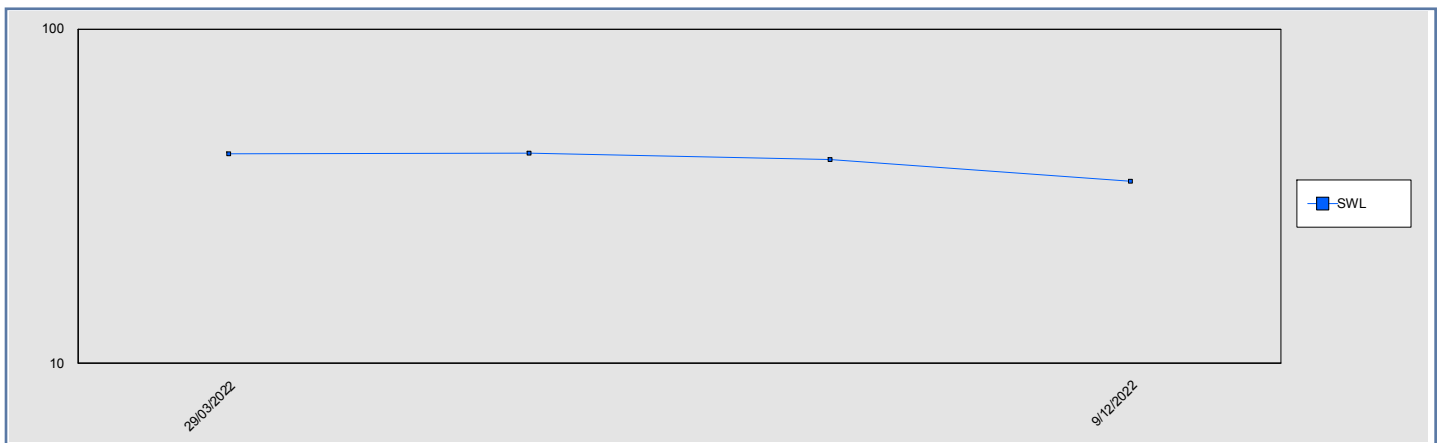
PZH005



PZH006



PZH007

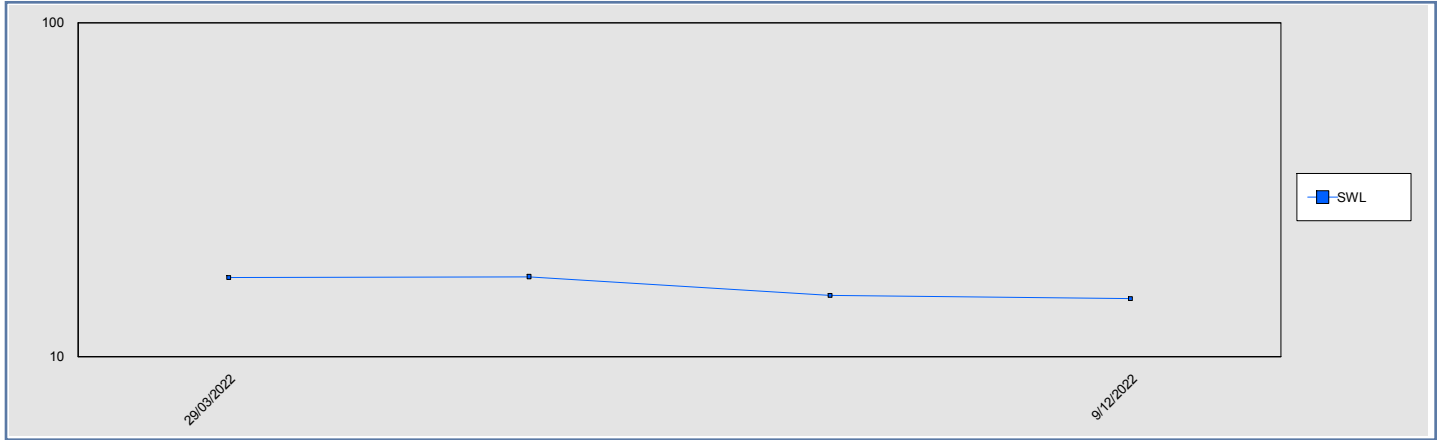


Line Graphs (Log y axis)

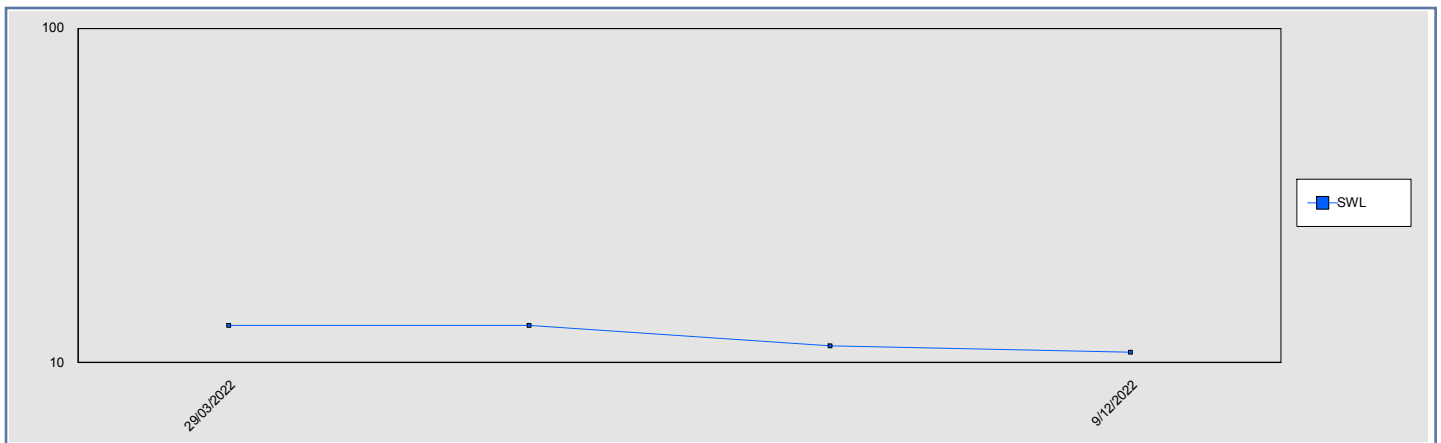


Data from 01/01/2022 to 12/31/2022

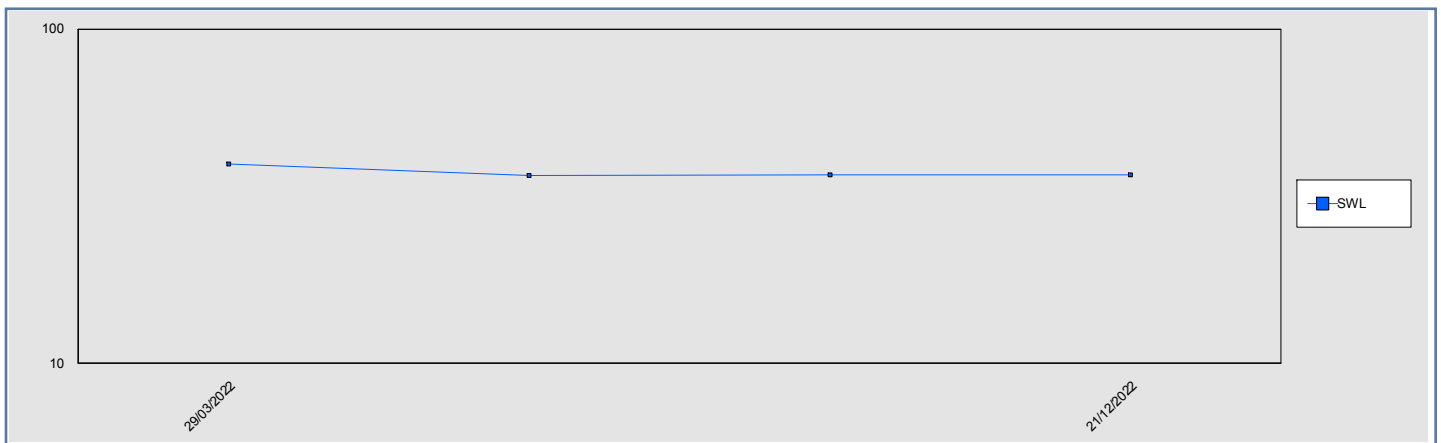
PZH008



PZH009



PZH013

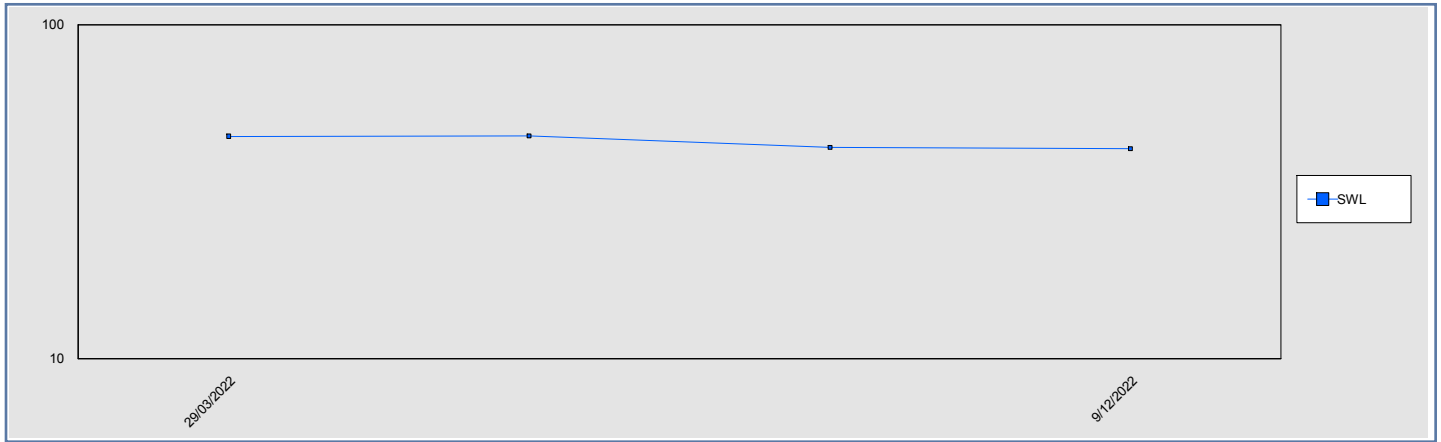


Line Graphs (Log y axis)

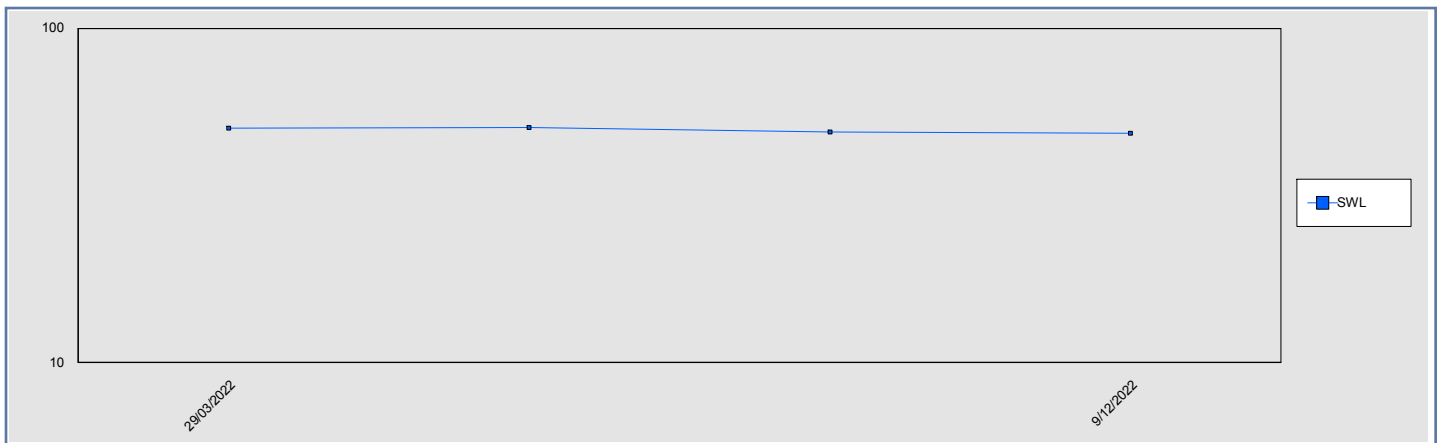


Data from 01/01/2022 to 12/31/2022

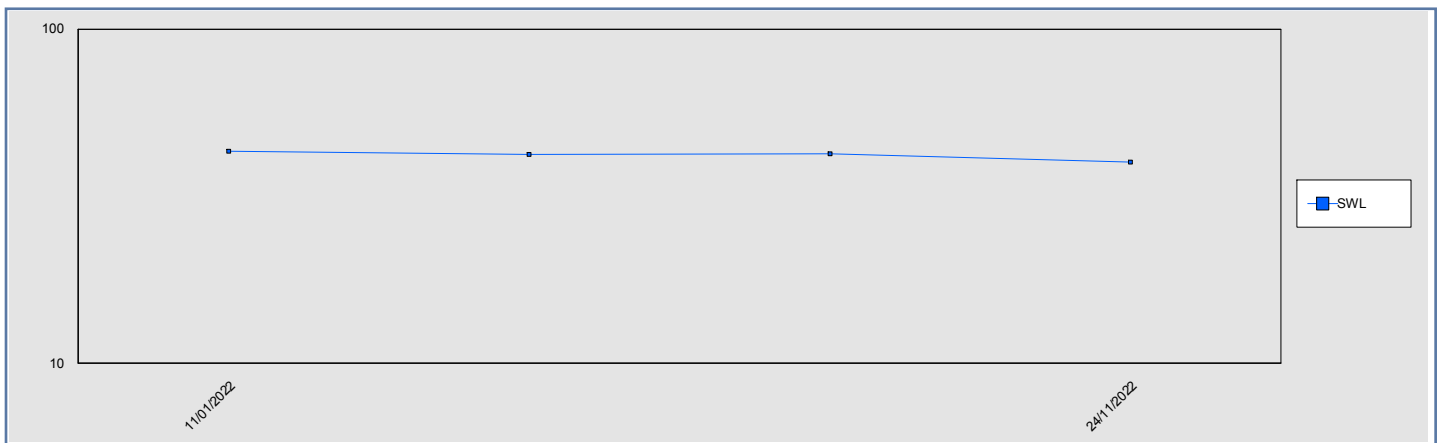
PZH014



PZH015



PZH017

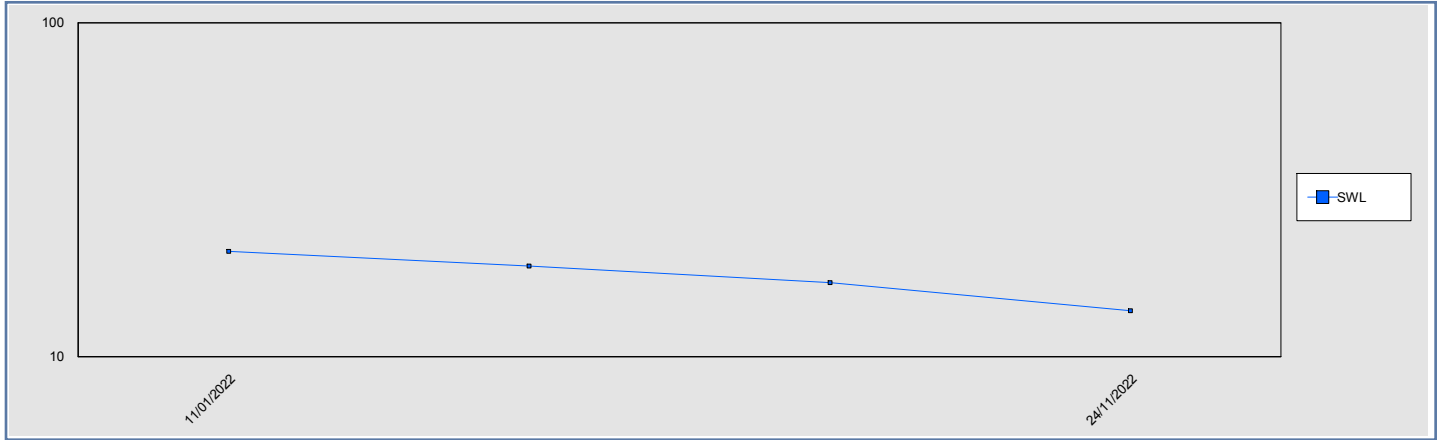


Line Graphs (Log y axis)

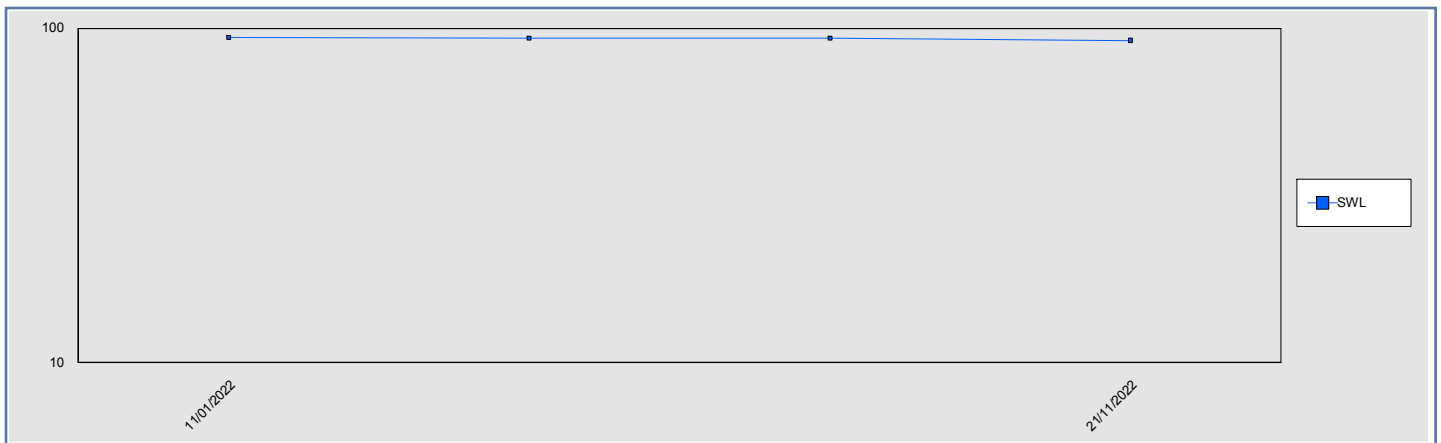


Data from 01/01/2022 to 12/31/2022

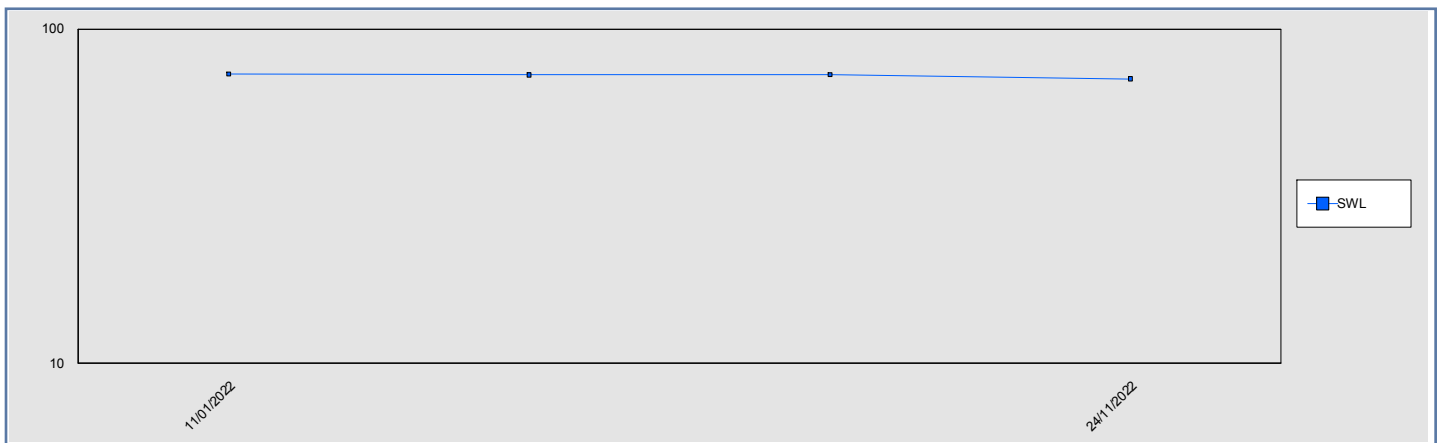
PZH018



PZH019



PZH020

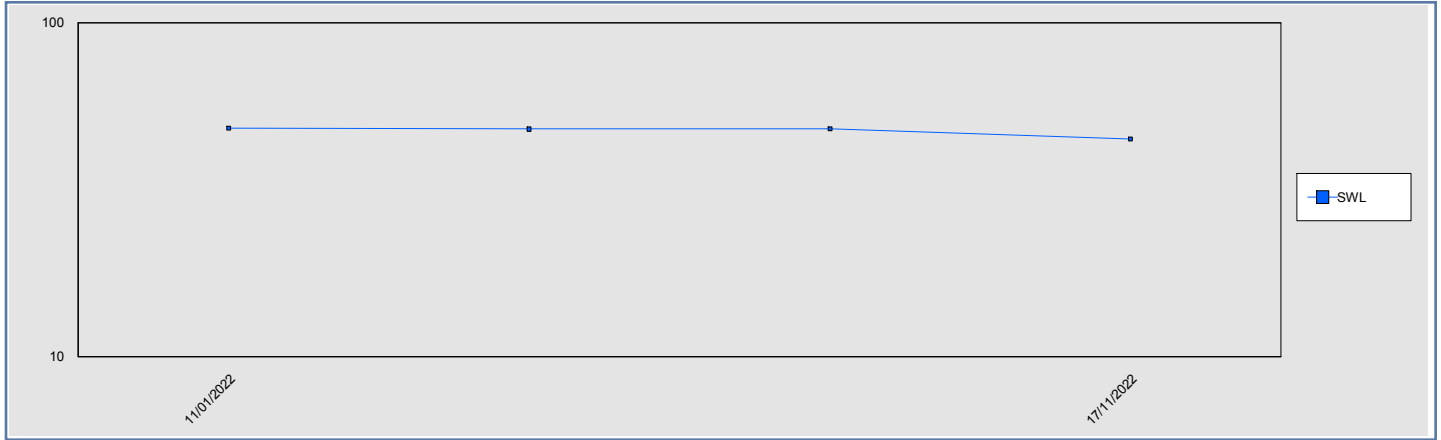


Line Graphs (Log y axis)



Data from 01/01/2022 to 12/31/2022

PZH021



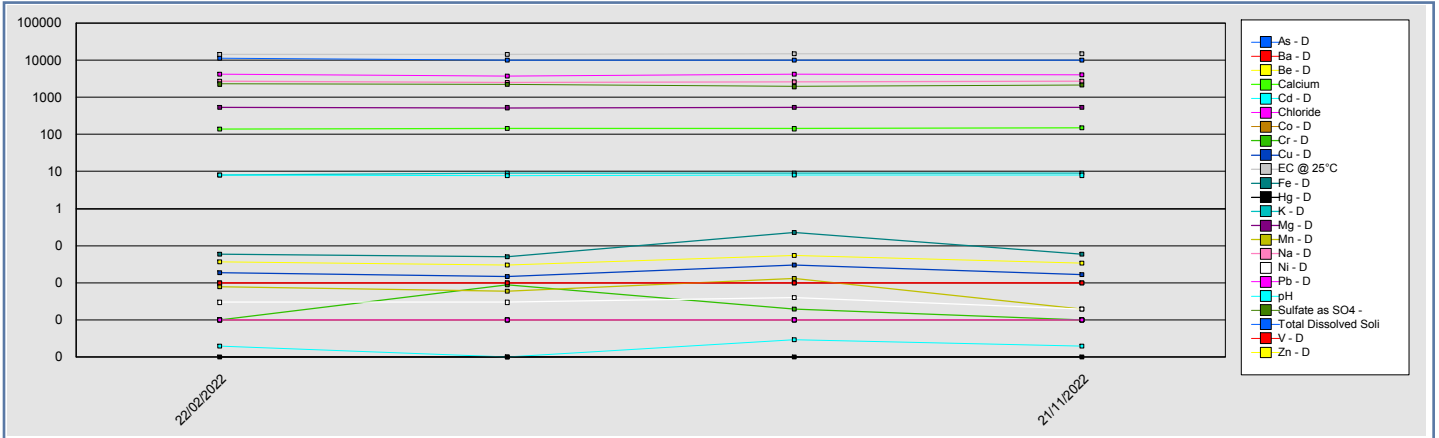
Line Graphs (Log y axis)



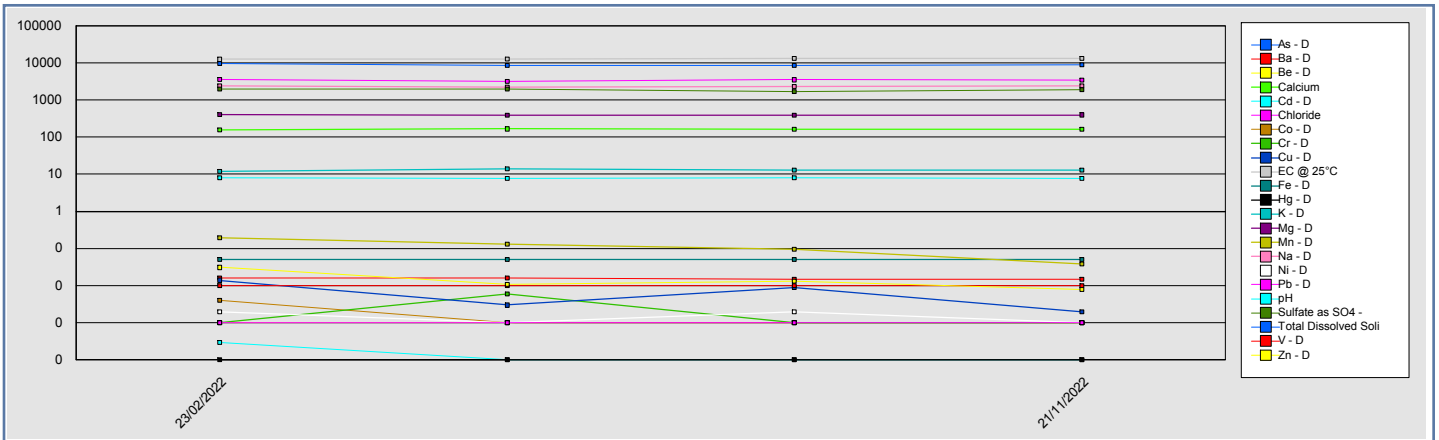
Data from 01/01/2022 to 12/31/2022

TRL
AEMR Variables

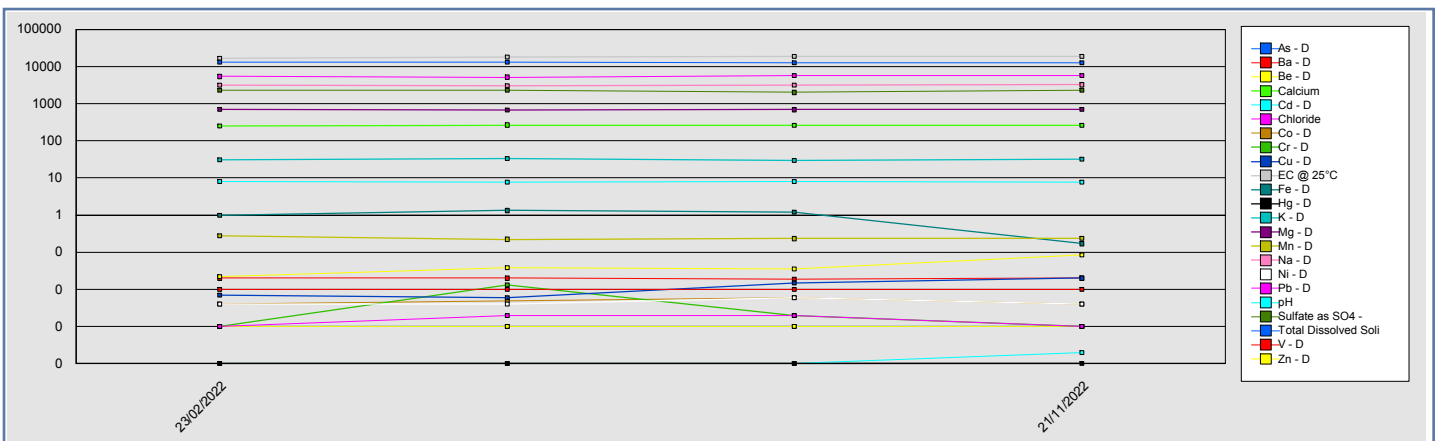
PZH001



PZH002



PZH003

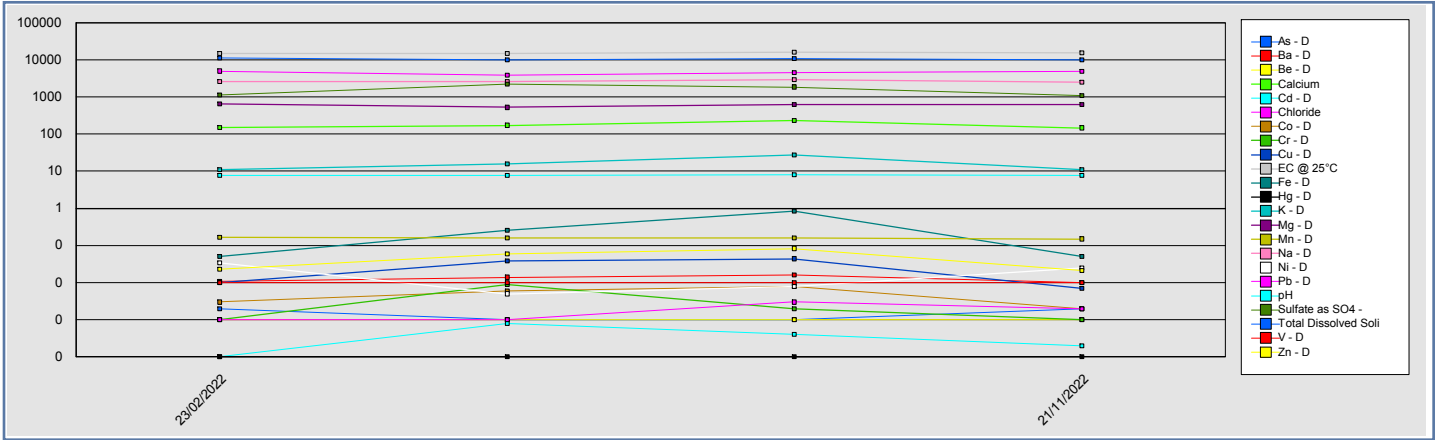


Line Graphs (Log y axis)

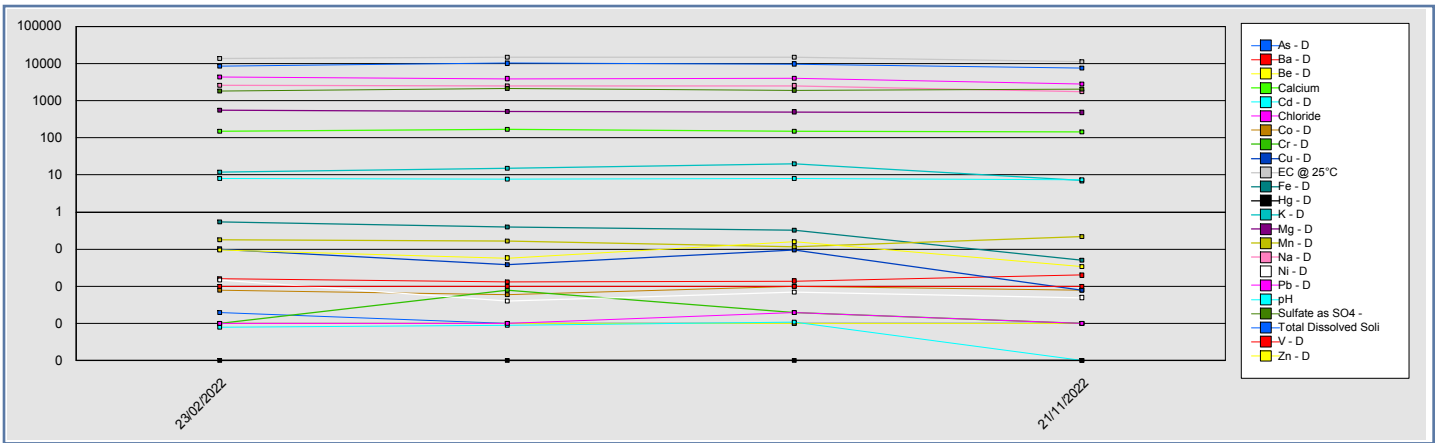


Data from 01/01/2022 to 12/31/2022

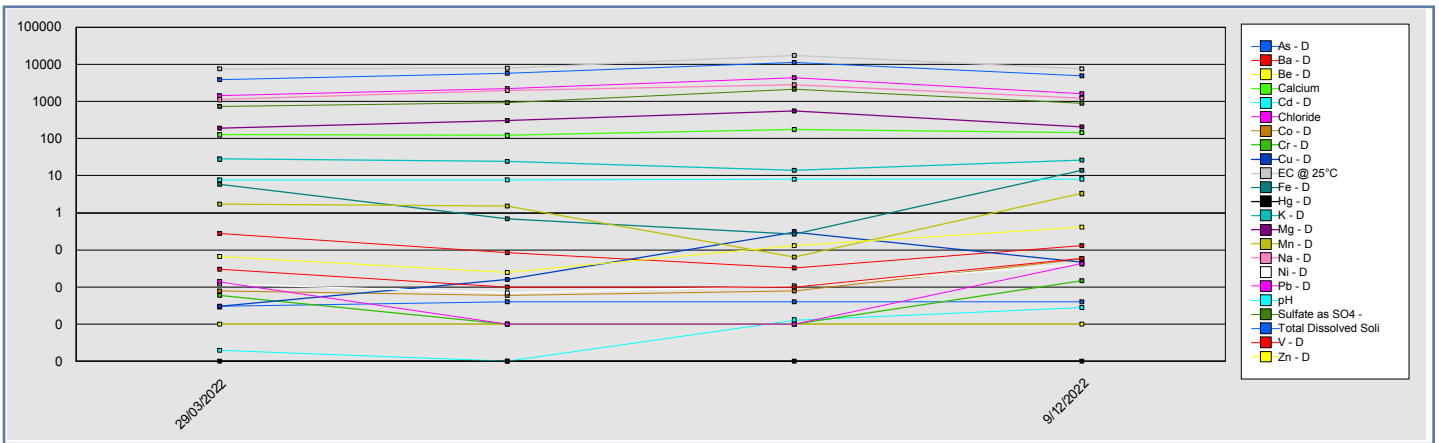
PZH005



PZH006



PZH007

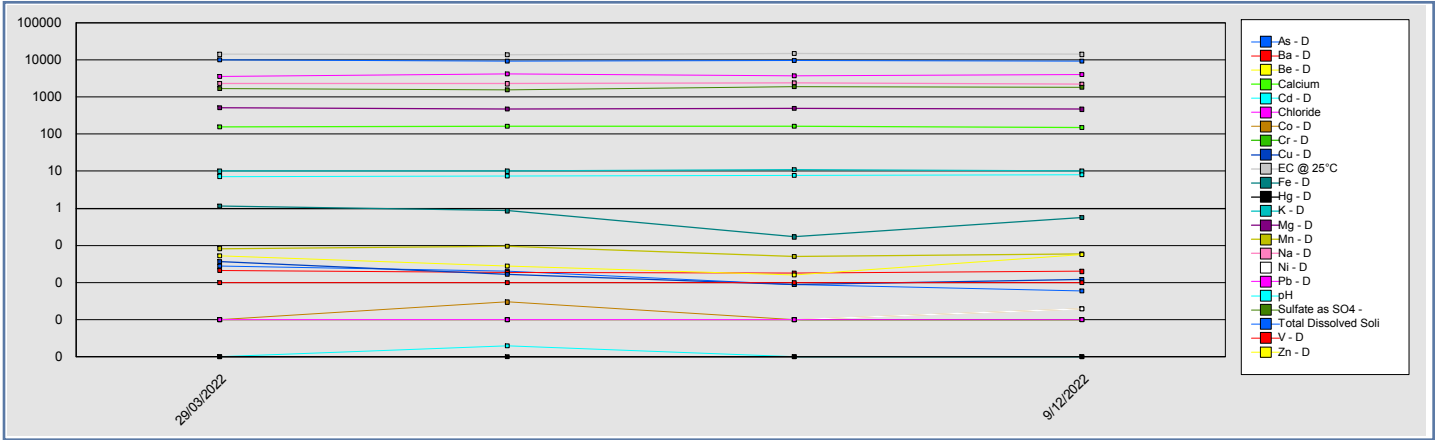


Line Graphs (Log y axis)

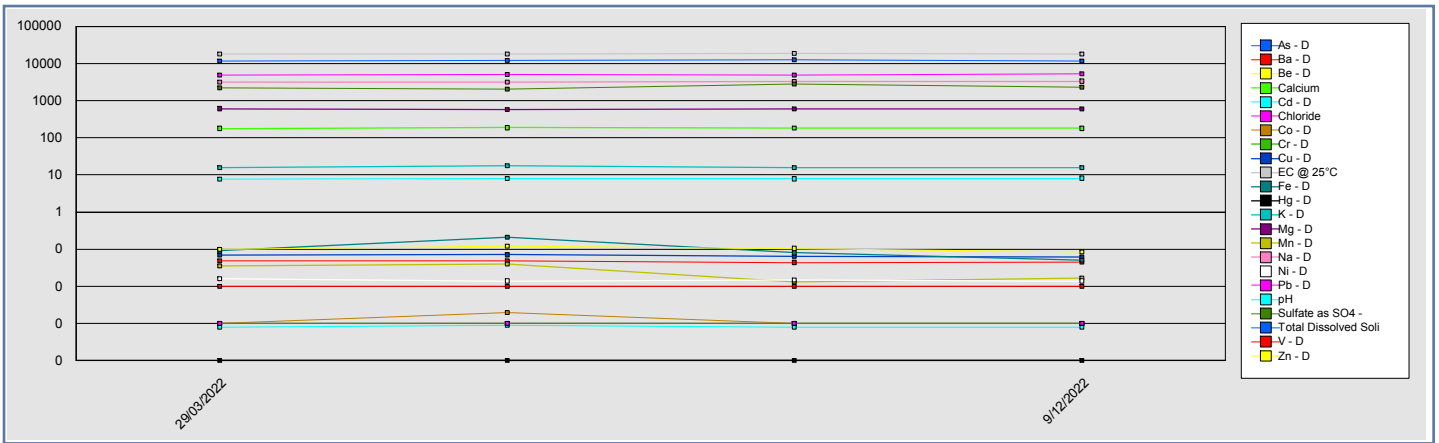


Data from 01/01/2022 to 12/31/2022

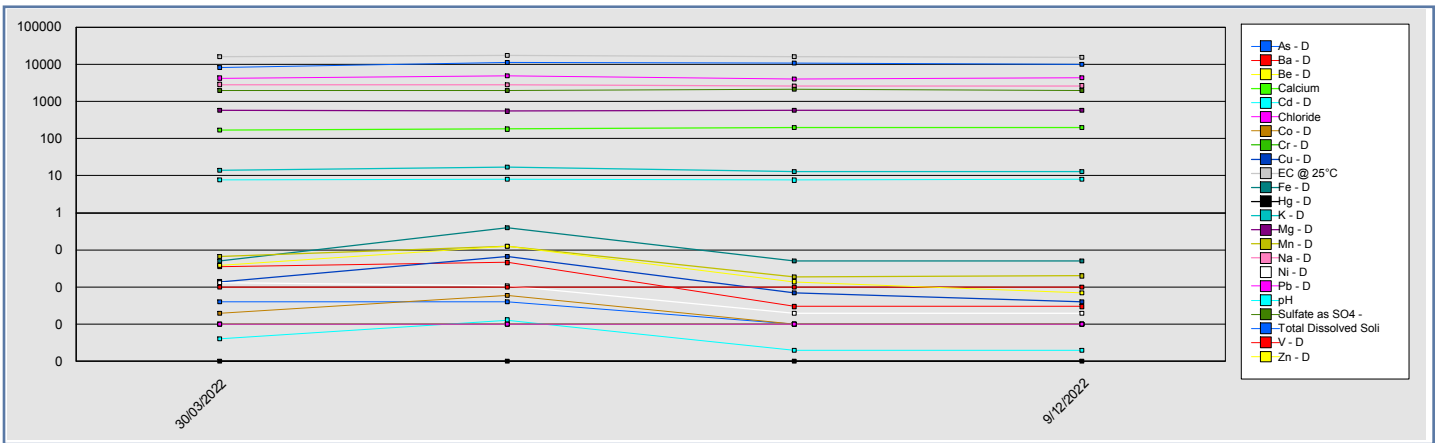
PZH008



PZH009



PZH014

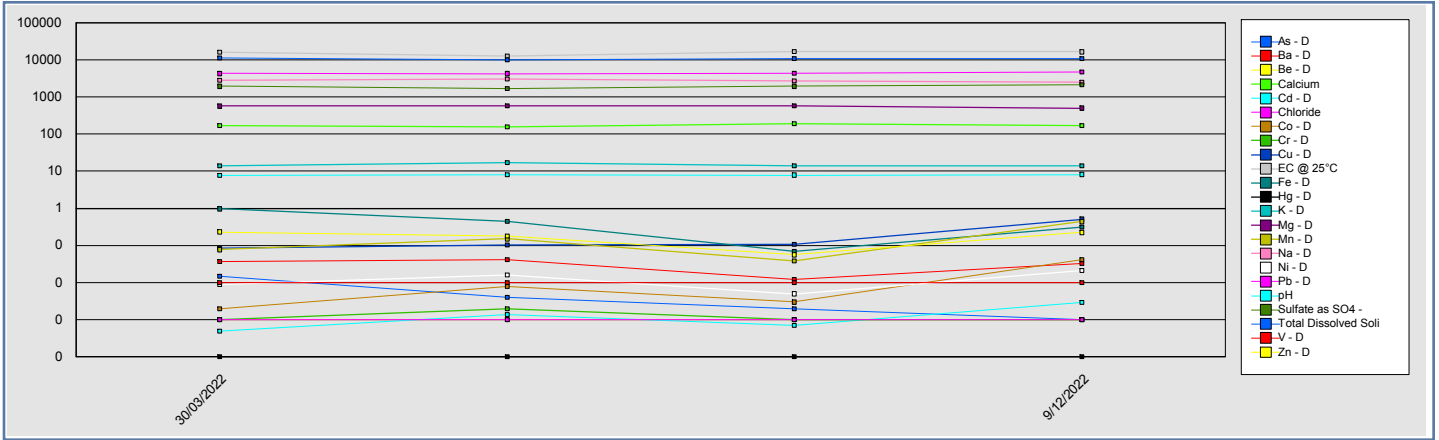


Line Graphs (Log y axis)

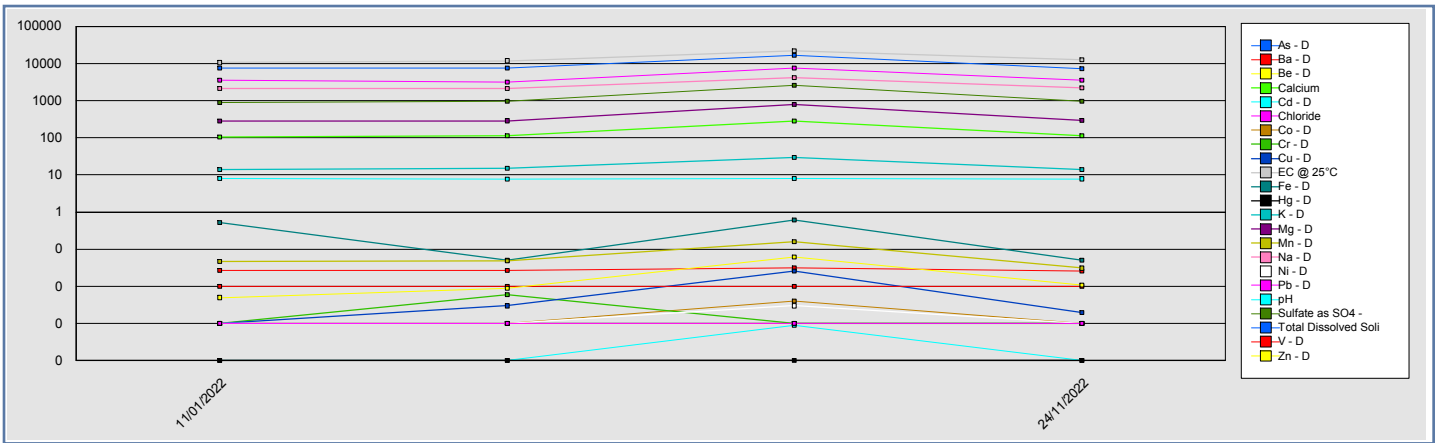


Data from 01/01/2022 to 12/31/2022

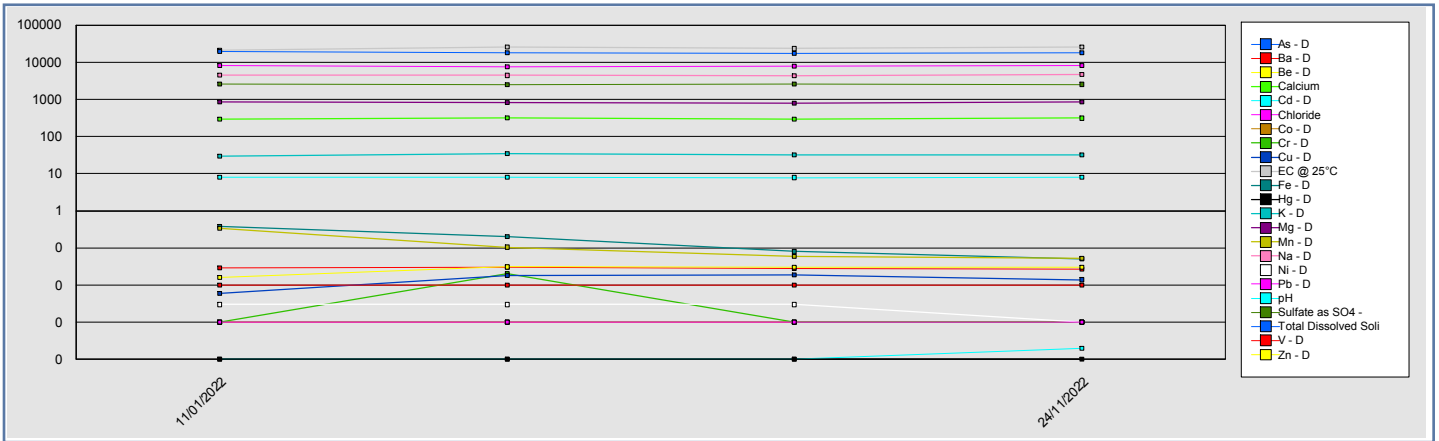
PZH015



PZH017



PZH018

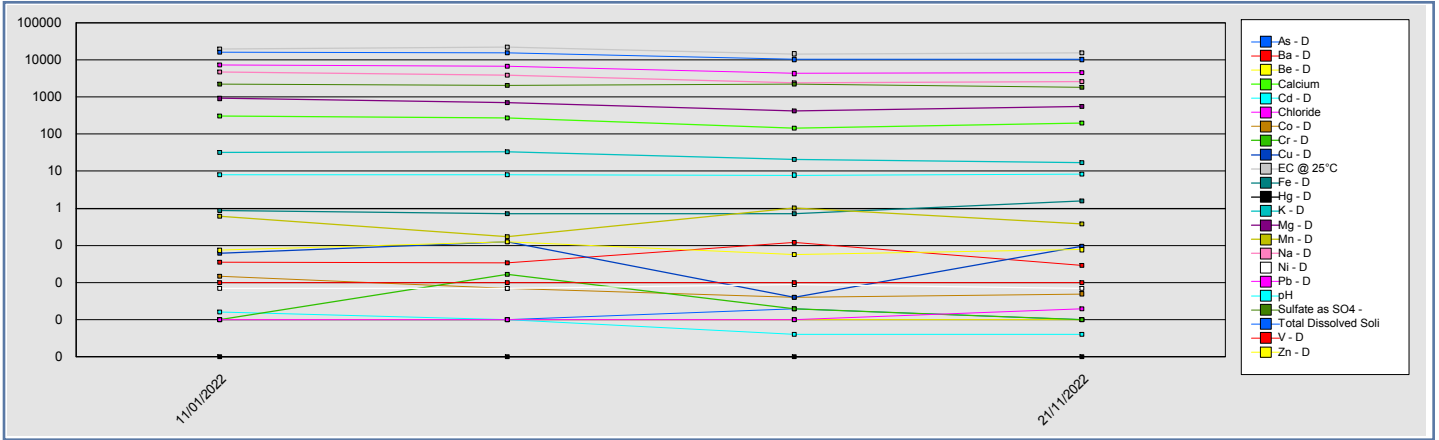


Line Graphs (Log y axis)

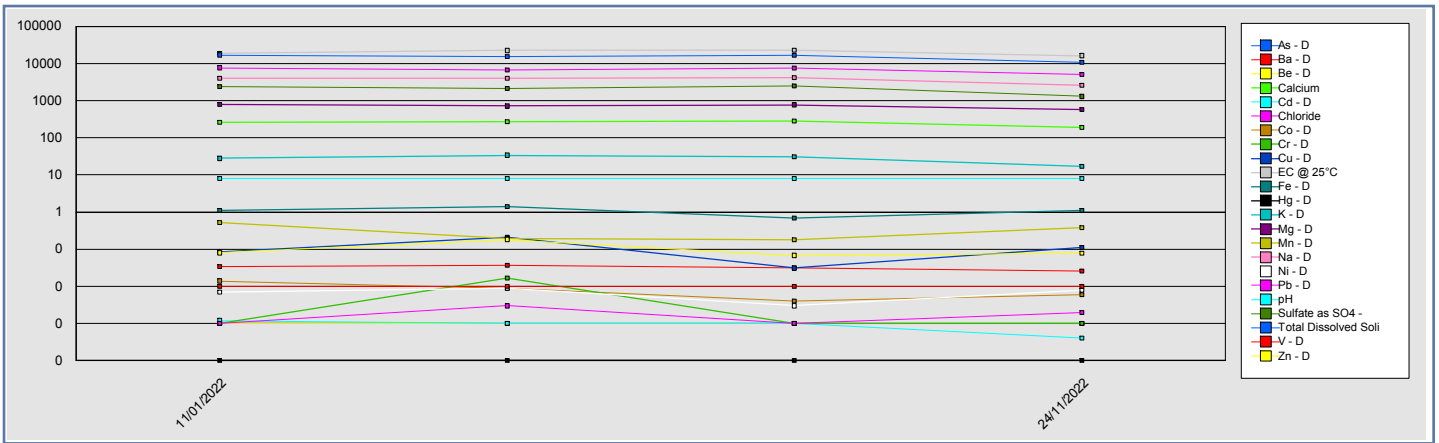


Data from 01/01/2022 to 12/31/2022

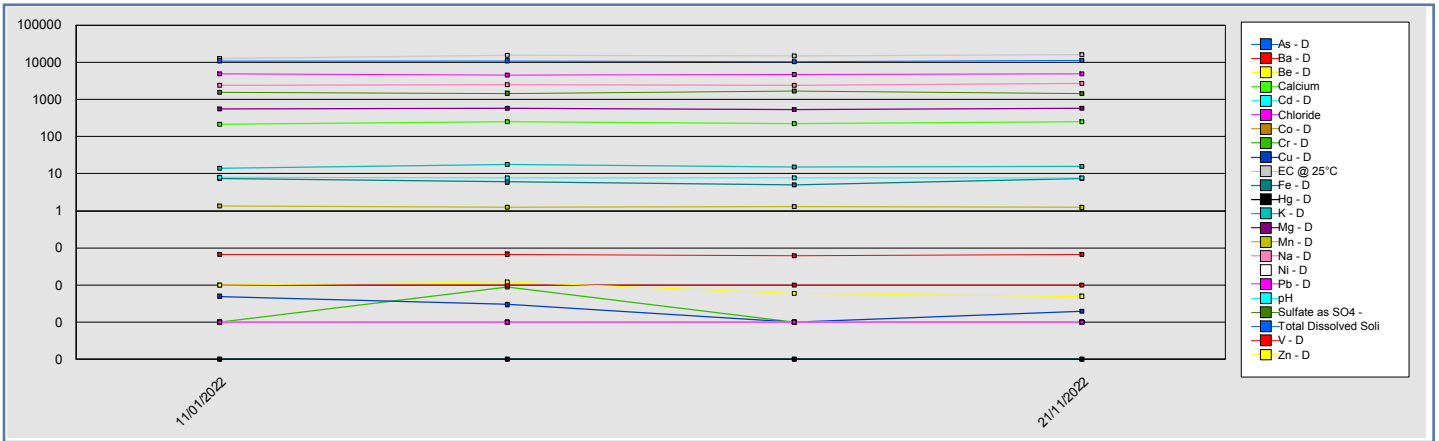
PZH019



PZH020



PZH021



ALS Monitoring Variables

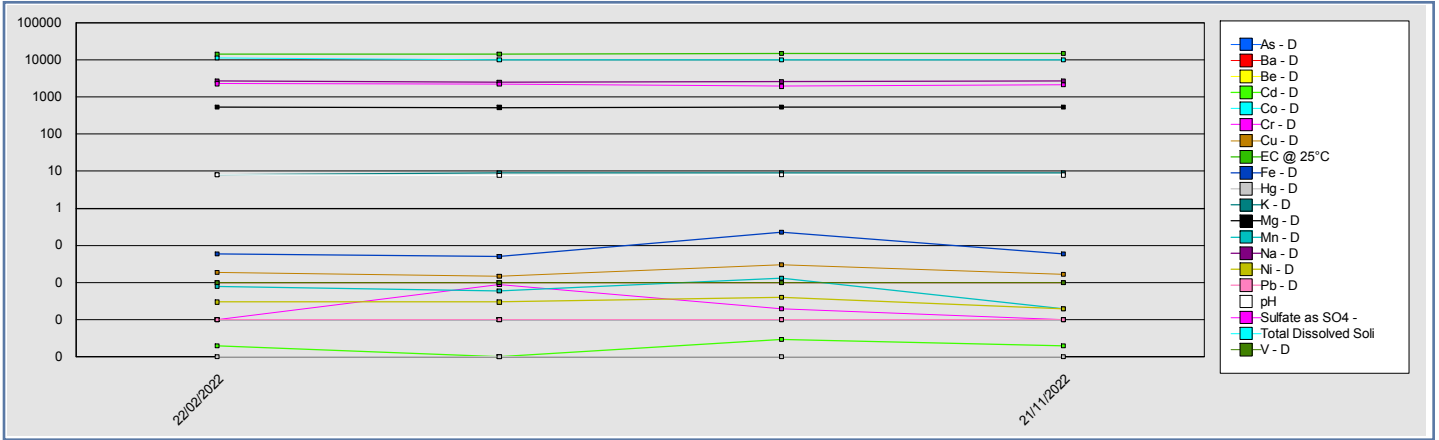


Line Graphs (Log y axis)

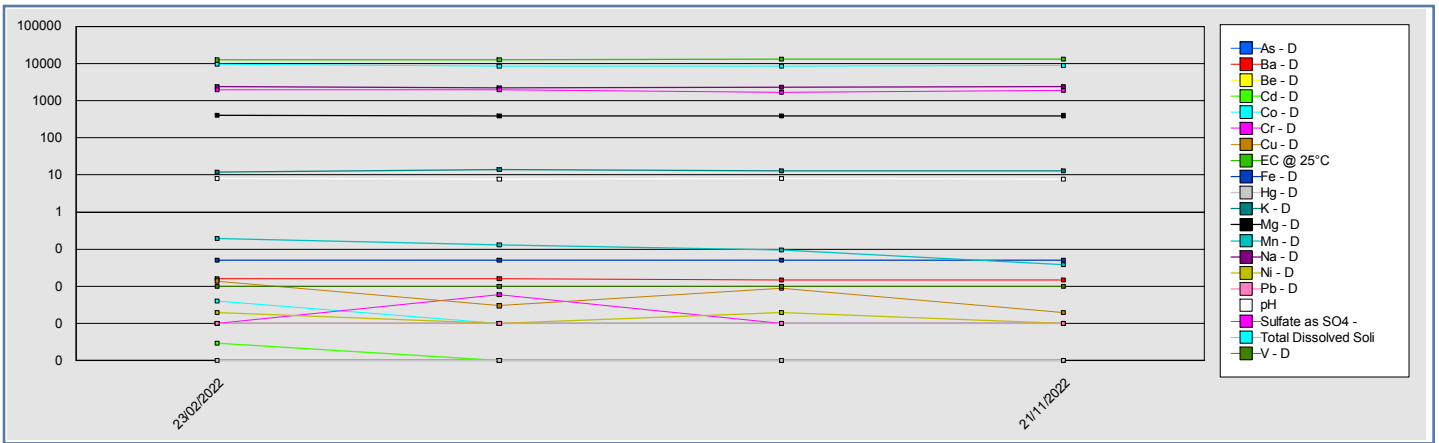


Data from 01/01/2022 to 12/31/2022

PZH001



PZH002



PZH003

