

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill

MLR Report

Site: AR 3.5

GPS Coordinates: N37⁰ 49.622' W107⁰ 37.596'

Mean	7.1	246.3	167.3	2.3	31.5	113.9	38.1	79.4	0.2
Std dev	0.6	65.3	49.7	4.7	5.5	30.9	6.7	27.0	0.3

Station	Sample Date	Qmgd	FieldpH	labcond	TDS(180) mg/l	TSS mg/l	Alk mg/l	Hard mg/l	Bicarb mg/l	Sulfate mg/l	CO3 mg/l	NO3&NO2 mg/l	NH3-N mg/l
AR3.5	31-May-17	nd	6.1	133	100	6	28	57	34	30	<5	0.07	<0.1
AR3.5	05-Sep-17	nd	6.9	296	180	<5	37	126	45	90	<5	<0.05	<0.1
AR3.5	24-May-18	nd	6.0	158	90	<5	25	64	31	40	<5	0.06	<0.1
AR3.5	04-Sep-18	nd	6.5	355	200	<5	38	144	46	110	<5	<0.05	<0.1
AR3.5	13-May-19		7.6	201	140	<5	33	89	41	60	<5	0.10	<0.1
AR3.5	19-Sep-19		7.9	299	190	<5	37	122	45	90	<5	<0.05	<0.1
AR3.5	18-Jun-20		7.6	153	110	<5	23	67	28	40	<5	<.01	0.09
AR3.5 - dup	18-Jun-20		7.6	150	100	<5	23	66	28	40	<5	<.01	0.06
AR3.5	28-Aug-20		7.8	294	192	<5	36	133	36	100	<2	0.05	<0.05
AR3.5 - dup	28-Aug-20		7.8	293	198	<5	37	130	37	99.8	<2	0.04	<0.05

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Site: AR 3.5

GPS Coordinates: N37⁰ 49.622' W107⁰ 37.596'

Mean	0.4	0.001	0.004								0.25	0.40	0.31
Std dev	0.2	0.001	0.009								0.13	0.20	0.11

Station	Sample Date	Fl mg/l	dCd mg/l	dCu mg/L	dHg mg/l	dPb mg/l	dAg mg/l	dAl mg/l	dCrT mg/l	dFe mg/l	dMn mg/l	dSr mg/l	dZn mg/l
AR3.5	31-May-17	0.2	<0.001	0.009	<0.001	<0.005	<0.01	0.07	<0.01	0.03	0.18	0.19	0.25
AR3.5	05-Sep-17	0.5	<0.001	<0.005	<0.001	<0.005	<0.01	<0.05	<0.01	<0.03	0.25	0.47	0.17
AR3.5	24-May-18	0.2	<0.001	0.005	<0.001	<0.005	<0.01	<0.05	<0.01	<0.03	0.27	0.23	0.3
AR3.5	04-Sep-18	0.4	<0.001	0.005	<0.001	<0.005	<0.01	<0.05	<0.01	<0.03	0.33	0.54	0.27
AR3.5	13-May-19	0.5	<0.001	0.007	<0.001	<0.005	<0.01	0.05	<0.01	<0.03	0.21	0.24	0.31
AR3.5	19-Sep-19	0.5	<0.001	<0.005	<0.001	<0.005	<0.01	<0.05	<0.01	<0.03	0.27	0.39	0.24
AR3.5	18-Jun-20	0.02	<0.001	<0.005	<0.001	<0.005	<0.01	<0.05	<0.01	<0.03	0.28	0.2	0.23
AR3.5 - dup	18-Jun-20	0.02	<0.001	<0.005	<0.001	<0.005	<0.01	<0.05	<0.01	<0.03	0.28	0.2	0.23
AR3.5	28-Aug-20	0.43	0.0005	0.0015	<.0002	0.0003	<.0001	<0.05	<0.01	<0.06	0.24	0.476	0.2
AR3.5 - dup	28-Aug-20	0.46	0.00051	0.0015	<.0002	0.0003	<.0001	<0.05	<0.01	<0.06	0.23	0.466	0.2

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MLR Report

Site: AR 4

GPS Coordinates: N37° 48.976' W107° 38.974'

Mean	7.0	257	184	4	32	116	38	86	0.14
Std dev	0.5	82	80	10	7	36	8	32	0.13

Station	Sample Date	Qmgd	FieldpH	labcond	TDS(180) mg/l	TSS mg/l	Alk mg/l	Hard mg/l	Bicarb mg/l	Sulfate mg/l	CO3 mg/l	NO3&NO2 mg/l	NH3-N mg/l
AR4	31-May-17		6.3	136	100	6	25	58	30	30	<5	0.07	<0.1
AR4	05-Sep-17		6.3	315	190	<5	38	133	46	100	<5	<0.05	<0.1
AR4	24-May-18		6.3	161	90	<5	27	65	33	50	<5	<0.05	<0.1
AR4	04-Sep-18		6.2	370	220	<5	42	155	51	120	<5	<0.05	<0.1
AR4	13-May-19		6.6	<5	<10	6	<5	<1	<5	<10	<5	0.10	<0.1
AR4	19-Sep-19		7.9	306	210	<5	37	122	45	100	<5	<0.05	<0.1
AR4	18-Jun-20		7.7	147	100	<5	25	64	30	40	<5	<0.05	0.08
AR4	29-Aug-20		7.8	315	216	<5	35	143	35.4	112	<2	0.05	<0.05

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Site: AR 4

GPS Coordinates: N37° 48.976' W107° 38.974'

Mean	0.484	0.001							0.004	0.06	0.91	0.41	0.48
Std dev	0.351	0.002							0.004	0.05	0.52	0.20	0.27

Station	Sample Date	Fl mg/l	dCd mg/l	dHg mg/l	dPb mg/l	dAg mg/l	dAl mg/l	dCrT mg/l	dCu mg/l	dFe mg/l	dMn mg/l	dSr mg/l	dZn mg/l
AR4	31-May-17	0.2	<0.001	<0.001	<0.005	<0.01	0.07	<0.01	0.007	0.07	0.34	0.17	0.26
AR4	05-Sep-17	0.6	0.001	<0.001	<0.005	<0.01	0.07	<0.01	<0.005	0.15	0.94	0.45	0.25
AR4	24-May-18	0.3	<0.001	<0.001	<0.005	<0.01	<0.05	<0.01	<0.005	0.06	0.45	0.17	0.25
AR4	04-Sep-18	0.5	<0.001	<0.001	<0.005	<0.01	0.05	<0.01	<0.005	0.12	0.95	0.43	0.33
AR4	13-May-19	<0.01	0.001	<0.001	<0.005	<0.01	0.08	<0.01	0.009	0.07	0.79	0.24	0.45
AR4	19-Sep-19	0.5	<0.001	<0.001	<0.005	<0.01	0.05	<0.01	<0.005	0.11	0.77	0.36	0.31
AR4	18-Jun-20	0.01	<0.001	<0.001	<0.005	<0.01	<.05	<0.01	<0.005	0.03	0.37	0.21	0.22
AR4	29-Aug-20	0.49	0.00088	<0.0002	<0.0001	<0.0001	<0.05	<0.01	0.0024	<0.06	1.08	0.507	0.29