

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill

MLR Report

Site: AR 3.5

GPS Coordinates: N37⁰ 49.622' W107⁰ 37.596'

Mean	7.1	247.7	168.2	2.4	31.6	114.7	38.4	80.0	0.2
Std dev	0.6	64.7	49.7	4.8	5.4	30.7	6.7	26.8	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	23-May-16	nd	6.3	151	100	<10	27	62	33	40	<5	0.12	<0.1
AR3.5	01-Sep-16	nd	6.4	271	180	<5	33	121	41	90	<5	<0.1	<0.1
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	nd	7.6	201	140	<5	33	89	41	60	<5	0.10	<0.1
AR3.5	19-Sep-19	nd	7.9	299	190	<5	37	122	45	90	<5	<0.05	<0.1

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GPS Coordinates: N37⁰ 49.622' W107⁰ 37.596'

Mean	0.4	0.001	0.004								0.25	0.40	0.32
Std dev	0.2	0.001	0.009								0.13	0.21	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	23-May-16	0.2	<0.001	0.009	<0.001	<0.005	<0.01	0.06	<0.01	0.03	0.18	0.21	0.25
AR3.5	01-Sep-16	0.5	<0.001	<0.005	<0.001	<0.005	<0.01	<0.05	<0.01	<0.03	0.54	0.44	0.23
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

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MLR Report

Site: AR 4

GPS Coordinates: N37⁰ 48.976' W107⁰ 38.974'

Mean	7.0	258	185	4	32	116	38	87	0.15
Std dev	0.5	82	81	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	23-May-16		6.2	153	100	<10	27	62	22	40	<5	0.11	<0.1
AR4	01-Sep-16		6.5	263	180	<5	33	124	41	90	<5	0.06	<0.1
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

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Site: AR 4

GPS Coordinates: N37° 48.976' W107° 38.974'

Mean	0.491	0.001							0.004	0.06	0.92	0.41	0.49
Std dev	0.351	0.002							0.005	0.05	0.53	0.20	0.28

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	23-May-16	0.3	<0.001	<0.001	<0.005	<0.01	0.08	<0.01	0.009	0.08	0.34	0.21	0.27
AR4	01-Sep-16	0.5	<0.001	<0.001	<0.005	<0.01	0.06	<0.01	<0.005	0.11	1.02	0.36	0.27
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