



Dust

Monitoring Point: 1 <McLintocks Shed>

Dust monitoring, Dust gauge located on private property to the west of ML1535 boundary

Frequency	Date Deployed	Date Obtained	Date Published	Particulates (g/m²/mth)	Comments
Monthly	29/12/2020	18/02/2021	20/02/2021	1.27	
Monthly	28/01/2021	11/03/2021	20/03/2021	0.71	
Monthly					
Number of Samples Collected				2	
Lowest Value				0.7	
Mean of Sample					
Highest Sample Value					
Median					

Monitoring Point: 2 < Site Office>

Dust monitoring, Dust gauge located on private property to the south of ML1535 boundary

Frequency	Date Deployed	Date Obtained	Date Published	Particulates (g/m²/mth)	Comments
Monthly	29/12/2020	18/02/2021	20/02/2021	0.97	
Monthly	28/01/2021	11/03/2021	20/03/2021	1.65	
Monthly					
Number of Samples Collect	ed			2	
Lowest Value					
Mean of Sample					
Highest Sample Value					
Median				1.3	

Monitoring Point: 3 < DG06>

Dust monitoring, Dust gauge located on private property to the east of ML1535 boundary

Frequency	Date Deployed	Date Obtained	Date Published	Particulates (g/m²/mth)	Comments
Monthly	29/12/2020	18/02/2021	20/02/2021	1.22	
Monthly	28/01/2021	11/03/2021	20/03/2021	1.49	
Monthly					
Number of Samples Collect	ted			2	
Lowest Value					
Mean of Sample					
Highest Sample Value					
Median				1.4	

Monitoring Point: 4 < DG09>

Dust monitoring, Dust gauge located on private property to the south of ML1535 boundary

Frequency	Date Deployed	Date Obtained	Date Published	Particulates (g/m ² /mth)	Comments
Monthly	29/12/2020	18/02/2021	20/02/2021	0.30	
Monthly	28/01/2021	11/03/2021	20/03/2021	3.33	
Monthly					
Number of Samples Collect	ed			2	
Lowest Value					
Mean of Sample					
Highest Sample Value				3.3	
Median				1.8	

Monitoring Point: 5 <Site 52>

Dust monitoring, Dust gauge located within ML1535 and north of the open pit

Frequency	Date Deployed	Date Obtained	Date Published	Particulates (g/m²/mth)	Comments
Monthly	29/12/2020	19/02/2021	20/03/2021	0.41	Results obtained late from laboratory
Monthly	28/01/2021	11/03/2021	20/03/2021	0.79	
Monthly					
Number of Samples Collected	d			2	
Lowest Value					
Mean of Sample					
Highest Sample Value					
Median				0.6	





Dust

Monitoring Point: 6 < DG01>

Dust monitoring, Dust gauge located on private property to the north of ML1535 boundary

Frequency	Date Deployed	Date Obtained	Date Published	Particulates (g/m²/mth)	Comments
Monthly	29/12/2020	18/02/2021	20/02/2021	0.21	
Monthly	28/01/2021	11/03/2021	20/03/2021	0.20	
Monthly					
Number of Samples Collected	d			2	
Lowest Value					
Mean of Sample					
Highest Sample Value					
Median					

Monitoring Point: 49 <HV1>

Dust monitoring, High volume sampler located on private property to the north of ML1535 boundary

			1		
Frequency	Date Sampled	Date Obtained	Date Published	Total Suspended Particles (μg/m³)	Comments
Every 7 days	06/01/2021	18/02/2021	20/02/2021	34.4	
Every 7 days	13/01/2021	18/02/2021	20/02/2021	31.5	
Every 7 days	20/01/2021	18/02/2021	20/02/2021	51.5	
Every 7 days	27/01/2021	18/02/2021	20/02/2021	56.2	
Every 7 days	3/02/2021		. ,		Waiting for laboratory results
Every 7 days	10/02/2021				Waiting for laboratory results
Every 7 days	17/02/2021				Waiting for laboratory results
Every 7 days	24/02/2021				Waiting for laboratory results
Every 7 days	, =_, ===				Transfer incorners y research
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Number of Samples Collected				4	
Lowest Value				31.5	
Mean of Sample				43.4	
Highest Sample Value				56.2	
Median				43.0	
IIVICUIAII				43.0	





Surface Water

Monitoring Point: 12 <D1>

Stormwater quality monitoring, Northern waste emplacement contained water storage

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (μS/cm)	Total Suspended Solids (mg/L)	Comments
Monthly	06/01/2021	14/01/2021	20/02/2021	8.40	15478	52	
Monthly	31/01/2021	09/02/2021	20/02/2021	4.99	17589	164	Rainfall event monitoring
Monthly	05/02/2021	15/03/2021	20/03/2021	4.36	18146	184	
Monthly							
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Monthly							
Monthly							
Monthly							
Number of Samp	les Collected			3.00	3	3	
Lowest Value				4.36	15478	52	
Mean of Sample				5.92	17071	133	
Highest Sample V				8.40	18146	184	
Median				4.99	17589	164	

Monitoring Point: 13 <D4>

Stormwater quality monitoring, Southern waste emplacement contained water storage

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (μS/cm)	Total Suspended Solids (mg/L)	Comments
Monthly	06/01/2021	14/01/2021	20/02/2021	8.51	1027	35	
Monthly	31/01/2021	09/02/2021	20/02/2021	6.06	1514	178	Rainfall event monitoring
Monthly	05/02/2021	15/03/2021	20/03/2021	5.21	1224	112	
Monthly							
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Monthly							
Number of Samp	les Collected			3.00	3	3	
Lowest Value				5.21	1027	35	
Mean of Sample				6.59	1255	108	
Highest Sample V	'alue			8.51	1514	178	
Median				6.06	1224	112	



Lake Water



Monitoring Point: 14 <P1> Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (μS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	January, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Weekly	February, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Number of Samples Collected				0	0	0	
Lowest Value				0.0	0.0	0.0	
Mean of Sample				0.0	0.0	0.0	
Highest Sample Value				0.0	0.0	0.0	
Median				0.0	0.0	0.0	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	Lake Level below 204.5 AHD
Quarterly															
Quarterly															
Quarterly															

Monitoring Point: 15 < P2> Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (μS/cm)	Comments
Monthly	January, 2021	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly	February, 2021	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Number of Samples Collecte	ed			0	0	
Lowest Value				0.0	0.0	
Mean of Sample				0.0	0.0	
Highest Sample Value				0.0	0.0	
N. 4				0.0	0.0	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	•	Lake Level below 204.5 AHD
Quarterly															
Quarterly															

Monitoring Point: 16 < P3>

Quarterly

Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (μS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	January, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Weekly	February, 2021	-	-	-	-	•	Lake Level below 204.5 AHD, monitoring no longer required
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
lumber of Samples Collected				0	0	0	
owest Value				0.0	0.0	0.0	
1ean of Sample				0.0	0.0	0.0	
ighest Sample Value				0.0	0.0	0.0	
edian				0.0	0.0	0.0	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	Lake Level below 204.5 AHD
Quarterly															
Quarterly															
Quarterly															

Monitoring Point: 17 <B1> Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Ambient water quanty mome	μ.					
Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Comments
Monthly	January, 2021	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly	February, 2021	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Number of Samples Collected	d			0	0	
Lowest Value				0.0	0.0	
Mean of Sample				0.0	0.0	
Highest Sample Value				0.0	0.0	
Median				0.0	0.0	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	Lake Level below 204.5 AHD
Quarterly															
Quarterly															
Quarterly															

Monitoring Point: 18 < B6> Ambient water quality monitoring, Surface water point on Lake Cowal to the south-east of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (μS/cm)	Comments
Monthly	January, 2021	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly	February, 2021	•	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Number of Samples Collected				0	0	
Lowest Value				0.0	0.0	
Mean of Sample				0.0	0.0	
Highest Sample Value				0.0	0.0	
Median				0.0	0.0	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	Lake Level below 204.5 AHD
Quarterly															
Quarterly															
Quarterly														·	





Monitoring Point: 19 < P555A-R > Groundwater quality monitoring, Piezometer located up gradient of southern tailings storage facility Comments Monitoring Point: 26 < PP03 > Groundwater quality monitoring, Piezometer located near the processing plant area Monitoring Point: 27 < PP04> Groundwater quality monitoring, Piezometer located near the processing plant area Comments Comments Monitoring Point: 30 < P417A > Groundwater quality monitoring, Piezometer located down gradient of southern tailings storage facility Comments Monthly
Monthly Monthly
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Monitoring Point: 31 < P417B>

Frequency		Date Sampl	oled Date Obtain	ed Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm			Comments																	
D. d. a. a. a. b. b. a.		42/04/202	24 42/04/202	1 20/02/2024	6.55		"7																			
Monthly		12/01/202			6.55 6.66	41451 42478	11.970 11.975				_															
Monthly Monthly		24/02/202	21 24/02/202	1 20/03/2021	0.00	42476	11.973				\dashv															
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Number of S		Collected			2	2	2																			
Mean of Sar					6.6 6.6	41451 41965	11.970 11.973																			
Highest Sam		<u> </u>			6.7	42478	11.975	_																		
Median					6.6	41965	11.973																			
											_										1					
Frequency		Date Sampl	oled Date Obtain	ed Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L) Molybder	num (mg/L) Nickel (mg/L	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solid	Total Hardness (mg/L)	Zinc (mg/L)	Comments	
				1 20/02/2021	258			<0.0002	500				(mg/L) 0.006					22	0.010			(mg/L) 36400				
Quarterly Quarterly		12/01/202	21 22/01/202	1 20/02/2021	256	<0.0005	0.0005	<0.0002	300	16900	0.001	<0.004	0.006	0.0002	1370	0.0006	0.0012	22	0.010	7940	2770	30400	6890	0.007		
Quarterly Quarterly																										
Monitoring Groundwate				down gradient of nor	thern tailings storage f	facility																				
Groundwate	e, quality	,ormcornig,	, i iczomiciei locatel	d down gradient of nor	c tullings storage l	. Gomey																				
						Field - Electrical																				
Frequency		Date Sampl	oled Date Obtain	ed Date Published	Field - pH (units)	Conductivity (µS/cm	SMI IMI		Comments																	
Monthly		14/01/202	21 14/01/202	1 20/02/2021	6.56	48770	8.398				-															
Monthly		25/02/202		1 20/03/2021	6.68	48327	8.305				_															
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Mean of Sar	mple	e			6.7	48770	8.398																			
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Mean of Sar	mple	e			6.7	48770	8.398								,					T	T					
Mean of Sar Highest Sam Median	mple nple Value		Jad Data Olitain	ad Bata Bublishad	6.7 6.6	48770 48549	8.398 8.352	Gadwing (matt)	Calaina (math)	Chlorida (m. 7/1)	Consentered (1)	Conside MAD (see (1)	Iron	1 1 ((1)	24	Name and the second sec	Nichal Inc. 1	Data-siam (mag (t))	Colorium (mar(t))	Cadiana (mag)	Calabata (m. 11)	Total Dissolved Solid	5	70((1)	Commonts	
Mean of Sar	mple nple Value		oled Date Obtain	ed Date Published	6.7 6.6	48770 48549	8.398 8.352	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L) Molybder	num (mg/L) Nickel (mg/L	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solid (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments	
Mean of San Highest Sam Median Frequency	mple ople Value	Date Sampl			6.7 6.6 Alkalinity (mg/L)	48770 48549) Antimony (mg/L)	8.398 8.352 Arsenic (mg/L)						(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly	mple ople Value				6.7 6.6	48770 48549	8.398 8.352	Cadmium (mg/L) <0.0002	Calcium (mg/L)	Chloride (mg/L) 18700	Copper (mg/L) <0.001	Cyanide WAD (mg/L) <0.004		Lead (mg/L) <0.0002	Magnesium (mg/L)		num (mg/L) Nickel (mg/L 0004 0.0008	Potassium (mg/L)	Selenium (mg/L) <0.002	Sodium (mg/L)	Sulphate (mg/L) 4880		Total Hardness (mg/L)	Zinc (mg/L) <0.005	Comments	
Mean of San Highest Sam Median Frequency	mple ople Value	Date Sampl			6.7 6.6 Alkalinity (mg/L)	48770 48549) Antimony (mg/L)	8.398 8.352 Arsenic (mg/L)						(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly	mple ople Value	Date Sampl			6.7 6.6 Alkalinity (mg/L)	48770 48549) Antimony (mg/L)	8.398 8.352 Arsenic (mg/L)						(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly	mple Value	Date Sampl	21 22/01/202		6.7 6.6 Alkalinity (mg/L)	48770 48549) Antimony (mg/L)	8.398 8.352 Arsenic (mg/L)						(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring	mple Value	Date Sampl 14/01/202 3 < P418B >	21 22/01/202	1 20/02/2021	6.7 6.6 Alkalinity (mg/L)	48770 48549 Antimony (mg/L) <0.0005	8.398 8.352 Arsenic (mg/L)						(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring	mple Value	Date Sampl 14/01/202 3 < P418B >	21 22/01/202		6.7 6.6 Alkalinity (mg/L)	48770 48549 Antimony (mg/L) <0.0005	8.398 8.352 Arsenic (mg/L)						(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring	mple Value ple Value property value propert	Date Sampl 14/01/202 3 < P418B > monitoring,	21 22/01/202	1 20/02/2021 d down gradient of nor	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility	8.398 8.352 Arsenic (mg/L) 0.0006		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring	mple Value ple Value property value propert	Date Sampl 14/01/202 3 < P418B > monitoring,	21 22/01/202	1 20/02/2021 d down gradient of nor	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility	8.398 8.352 Arsenic (mg/L) 0.0006						(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m)		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly Monthly	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m)		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly Monthly Monthly Monthly Monthly	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly Monthly Monthly Monthly Monthly Monthly Monthly	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of San Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	mple Value ple Value property of the propert	Date Sampl 14/01/202 3 <p418b> / monitoring, Date Sampl</p418b>	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	pple Value pple Value property	Date Sampl 14/01/202 3 < P418B > 7 monitoring, Date Sampl 14/01/202 25/02/202	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	s Point: 33 er quality	Date Sampl 14/01/202 3 < P418B > 7 monitoring, Date Sampl 14/01/202 25/02/202	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage for the storage for th	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739 45270	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	s Point: 33 er quality Samples Cue	Date Sampl 14/01/202 3 < P418B > 7 monitoring, Date Sampl 14/01/202 25/02/202	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f Field - pH (units) 6.42 6.56	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739 45270 2 45270	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	Samples Cue mple	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f 6.42 6.56 2 6.4 6.5	48770 48549 Antimony (mg/L) <0.0005 Field - Electrical Conductivity (μS/cm 45739 45270 2 45270 45505	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 2 8.324 8.366		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly Number of San	Samples Cue mple	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage f Field - pH (units) 6.42 6.56	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739 45270 2 45270	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 8.324 8.366 8.407		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly M	Samples Cue mple	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage for the s	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739 45270 45505 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 2 8.324 8.366		494				(mg/L)									(mg/L)	Total Hardness (mg/L)		Comments	
Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly	Samples Cue mple	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected	21 22/01/202 g, Piezometer located	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage for the s	48770 48549 Antimony (mg/L) <0.0005 facility Field - Electrical Conductivity (μS/cm 45739 45270 45505 45739	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 8.324 8.366 8.407		494				(mg/L) 0.665							10200	4880	(mg/L) 35900	7370		Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly M	Samples Cue mple Value	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected e	21 22/01/202 g, Piezometer located pled Date Obtain 21 14/01/202 21 25/02/202	1 20/02/2021 d down gradient of nor ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage for the s	48770 48549 Antimony (mg/L) <0.0005 Field - Electrical Conductivity (μS/cm 45739 45270 45505 45739 45505	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 8.324 8.366 8.407 8.366	<0.0002	494		<0.001	<0.004	(mg/L) 0.665		1490		0.0008	22	<0.002			(mg/L) 35900 Total Dissolved Solid	7370	<0.005	Comments	
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monthly M	Samples Cue mple Value	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected e Date Sampl	21 22/01/202 g, Piezometer located pled Date Obtain 21 14/01/202 21 25/02/202 pled Date Obtain	1 20/02/2021 d down gradient of nor ed Date Published 1 20/02/2021 1 20/03/2021 ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage for the s	48770 48549 Antimony (mg/L) 40.0005 Field - Electrical Conductivity (μS/cm 45739 45270 45505 45739 45505 Antimony (mg/L) Antimony (mg/L)	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 8.366 8.407 8.366 8.407 8.366 Arsenic (mg/L)	< < 0.0002 Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	(mg/L) 0.665 Iron (mg/L)	<0.0002 Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L) Molybder	0004 0.0008 num (mg/L) Nickel (mg/L	22	<0.002 Selenium (mg/L)	Sodium (mg/L)	4880 Sulphate (mg/L)	(mg/L) 35900 Total Dissolved Solid (mg/L)	Total Hardness (mg/L) Total Hardness (mg/L)	<0.005 Zinc (mg/L)		
Mean of San Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monthly Mon	Samples Cue mple Value	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected e	21 22/01/202 g, Piezometer located pled Date Obtain 21 14/01/202 21 25/02/202 pled Date Obtain	1 20/02/2021 d down gradient of nor ed Date Published 1 20/02/2021 1 20/03/2021	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage for the s	48770 48549 Antimony (mg/L) <0.0005 Field - Electrical Conductivity (μS/cm 45739 45270 45505 45739 45505	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 8.324 8.366 8.407 8.366	<0.0002	Comments	18700	<0.001	<0.004	(mg/L) 0.665	<0.0002	1490	Manganese (mg/L) Molybder	0.0008	22	<0.002	10200	4880	(mg/L) 35900 Total Dissolved Solid	7370	<0.005		
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monthly Mon	Samples Cue mple Value	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected e Date Sampl	21 22/01/202 g, Piezometer located pled Date Obtain 21 14/01/202 21 25/02/202 pled Date Obtain	1 20/02/2021 d down gradient of nor ed Date Published 1 20/02/2021 1 20/03/2021 ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage for the s	48770 48549 Antimony (mg/L) 40.0005 Field - Electrical Conductivity (μS/cm 45739 45270 45505 45739 45505 Antimony (mg/L) Antimony (mg/L)	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 8.366 8.407 8.366 8.407 8.366 Arsenic (mg/L)	< < 0.0002 Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	(mg/L) 0.665 Iron (mg/L)	<0.0002 Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L) Molybder	0004 0.0008 num (mg/L) Nickel (mg/L	22	<0.002 Selenium (mg/L)	Sodium (mg/L)	4880 Sulphate (mg/L)	(mg/L) 35900 Total Dissolved Solid (mg/L)	Total Hardness (mg/L) Total Hardness (mg/L)	<0.005 Zinc (mg/L)		
Mean of San Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monitoring Groundwate Frequency Monthly Frequency Quarterly Quarterly Quarterly Quarterly Quarterly	Samples Cue mple Value	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected e Date Sampl	21 22/01/202 g, Piezometer located pled Date Obtain 21 14/01/202 21 25/02/202 pled Date Obtain	1 20/02/2021 d down gradient of nor ed Date Published 1 20/02/2021 1 20/03/2021 ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage for the s	48770 48549 Antimony (mg/L) 40.0005 Field - Electrical Conductivity (μS/cm 45739 45270 45505 45739 45505 Antimony (mg/L) Antimony (mg/L)	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 8.366 8.407 8.366 8.407 8.366 Arsenic (mg/L)	< < 0.0002 Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	(mg/L) 0.665 Iron (mg/L)	<0.0002 Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L) Molybder	0004 0.0008 num (mg/L) Nickel (mg/L	22	<0.002 Selenium (mg/L)	Sodium (mg/L)	4880 Sulphate (mg/L)	(mg/L) 35900 Total Dissolved Solid (mg/L)	Total Hardness (mg/L) Total Hardness (mg/L)	<0.005 Zinc (mg/L)		
Mean of Sar Highest Sam Median Frequency Quarterly Quarterly Quarterly Quarterly Monthly Mon	Samples Cue mple Value	Date Sampl 14/01/202 3 < P418B > / monitoring, Date Sampl 14/01/202 25/02/202 Collected e Date Sampl	21 22/01/202 g, Piezometer located pled Date Obtain 21 14/01/202 21 25/02/202 pled Date Obtain	1 20/02/2021 d down gradient of nor ed Date Published 1 20/02/2021 1 20/03/2021 ed Date Published	6.7 6.6 Alkalinity (mg/L) 528 thern tailings storage for the s	48770 48549 Antimony (mg/L) 40.0005 Field - Electrical Conductivity (μS/cm 45739 45270 45505 45739 45505 Antimony (mg/L) Antimony (mg/L)	8.398 8.352 Arsenic (mg/L) 0.0006 SWL (m) 8.407 8.324 8.366 8.407 8.366 8.407 8.366 Arsenic (mg/L)	< < 0.0002 Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	(mg/L) 0.665 Iron (mg/L)	<0.0002 Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L) Molybder	0004 0.0008 num (mg/L) Nickel (mg/L	22	<0.002 Selenium (mg/L)	Sodium (mg/L)	4880 Sulphate (mg/L)	(mg/L) 35900 Total Dissolved Solid (mg/L)	Total Hardness (mg/L) Total Hardness (mg/L)	<0.005 Zinc (mg/L)		





Monitoring Point: 36 < PDB1A >
Groundwater quality monitoring, Pit dewatering bore Comments Monitoring Point: 38 < PDB3A > Groundwater quality monitoring, Pit dewatering bore Monthly Comments Monitoring Point: 40 < PDB5A> Groundwater quality monitoring, Pit dewatering bore Comments Monthly
Monthly Monitoring Point: 52 < PDB1B> Groundwater quality monitoring, Pit dewatering bore Monthly
Monthly Monthly Monthly
 Monthly
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 Frequency
 Date Sampled Out 1/40/1201
 Date Obtained (mg/L)
 Date Obtained (mg/L)</th Comments





Monitoring Point: 53 < PDB3B > Groundwater quality monitoring, Pit dewatering bore

Groundwater qua										1																
Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (μS/cm)	SWL (m)		Comments																		
Monthly Monthly	14/01/2021	14/01/2021 25/02/2021	20/02/2021	5.97 6.17	51310 52032	22.468 22.532																				
Monthly Monthly	23/02/2021	23/02/2021	20,03,2021	0.17	32032	22.332																				
Monthly Monthly																										
Monthly																										
Monthly Monthly																										
Monthly Monthly																										
Monthly Number of Sample Lowest Value	es Collected			6.0	2 51310	2 22.468																				
Mean of Sample Highest Sample V	lue			6.1	51671 52032	22.500 22.532	A																			
Median	140			6.1	51671	22.500																				
Frequency	Date Sampled	Date Obtained	Date Published	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)			Comments	
Quarterly Quarterly	14/01/2021	22/01/2021	20/02/2021	<0.0005	0.0007	0.0009	1130	21100	<0.001	0.011	<0.0002	2170	0.0607	0.0006	0.004	49	0.016	9340	6710	41400	11800	<0.005				
Quarterly Quarterly																										
Monitoring Point	54 <pdb5b></pdb5b>		<u> </u>		I	1				I		ı							1	l						
	ity monitoring, Pit d	ewatering bore																								
Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical	SWL (m)		Comments																		
Monthly	12/01/2021	12/01/2021	20/02/2021	5.91	Conductivity (µS/cm) 49754	21.970																				
Monthly Monthly	24/02/2021	24/02/2021	20/03/2021	6.05	49515	22.056																				
Monthly Monthly																										
Monthly Monthly																										
Monthly Monthly																										
Monthly Monthly																										
Monthly Number of Sample Lowest Value	es Collected			2 5.9	2 49515	21.970																				
Mean of Sample Highest Sample V	lue			6.0	49635 49754	22.013 22.056	A																			
Median				6.0	49635	22.013	1																			
Frequency	Date Sampled	Date Obtained	Date Published	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)			Comments	
Quarterly Quarterly	12/01/2021	22/01/2021	20/02/2021	<0.0005	0.0024	0.0015	803	20600	0.003	0.028	<0.0002	1810	0.0172	0.0026	0.0247	46	<0.002	9130	3480	36800	9460	<0.005				
Quarterly Quarterly																										
	57 <iwl06a></iwl06a>																									
Monitoring Point			- 4 1 4 4 4																							
		ndwater monitorin	g bore located to the	south of the souther	n tailings storage facility	,				1																
	ity monitoring, Grou			Field pH (unite)	Field - Electrical Conductivity (μS/cm)	SIA/I (m)		Comments																		
Frequency Monthly	Date Sampled 18/01/2021	Date Obtained 18/01/2021	Date Published 20/02/2021	Field - pH (units) 6.66	Field - Electrical Conductivity (µS/cm) 44259	SWL (m) 8.375		Comments																		
Frequency Monthly Monthly Monthly	Date Sampled 18/01/2021	Date Obtained 18/01/2021	Date Published 20/02/2021	Field - pH (units)	Field - Electrical Conductivity (μS/cm)	SWL (m)		Comments																		
Frequency Monthly Monthly	Date Sampled 18/01/2021	Date Obtained 18/01/2021	Date Published 20/02/2021	Field - pH (units) 6.66	Field - Electrical Conductivity (µS/cm) 44259	SWL (m) 8.375		Comments																		
Frequency Monthly Monthly Monthly Monthly Monthly Monthly Monthly Monthly Monthly	Date Sampled 18/01/2021	Date Obtained 18/01/2021	Date Published 20/02/2021	Field - pH (units) 6.66	Field - Electrical Conductivity (µS/cm) 44259	SWL (m) 8.375		Comments																		
Frequency Monthly	Date Sampled 18/01/2021	Date Obtained 18/01/2021	Date Published 20/02/2021	Field - pH (units) 6.66	Field - Electrical Conductivity (µS/cm) 44259	SWL (m) 8.375		Comments																		
Frequency Monthly	Date Sampled 18/01/2021	Date Obtained 18/01/2021	Date Published 20/02/2021	Field - pH (units) 6.66	Field - Electrical Conductivity (µS/cm) 44259	SWL (m) 8.375		Comments																		
Frequency Monthly Number of Sample Lowest Value	Date Sampled 18/01/2021 02/02/2021	Date Obtained 18/01/2021	Date Published 20/02/2021	6.66 6.83	Field - Electrical Conductivity (µS/cm) 44259 44727	8.375 8.320		Comments																		
Frequency Monthly Mon	Date Sampled 18/01/2021 02/02/2021	Date Obtained 18/01/2021	Date Published 20/02/2021	6.66 6.83 2 6.7 6.7 6.8	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 44493 44727	8.375 8.320 2 8.320 8.348 8.375		Comments																		
Frequency Monthly Number of Sample	Date Sampled 18/01/2021 02/02/2021	Date Obtained 18/01/2021	Date Published 20/02/2021 20/03/2021	6.66 6.83 2 6.7 6.7 6.8 6.7	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 44493	8.375 8.320 2 8.320 8.348 8.375 8.348						Iron										Total Dissalved Solid				
Frequency Monthly Mon	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled	Date Obtained 18/01/2021 02/02/2021 Date Obtained	Date Published 20/02/2021 20/03/2021 Date Published	6.66 6.83 2 6.7 6.7 6.8 6.7 Alkalinity (mg/L)	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L)	8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L)		Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)			Molybdenum (mg/L)		Potassium (mg/L)		Sodium (mg/L)		1 0. /	Total Hardness (mg/L)			Comments
Frequency Monthly Frequency Quarterly Quarterly	Date Sampled 18/01/2021 02/02/2021 es Collected	Date Obtained 18/01/2021 02/02/2021	Date Published 20/02/2021 20/03/2021	6.66 6.83 2 6.7 6.7 6.8 6.7	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 444259 44493 44727 44493	8.375 8.320 2 8.320 8.348 8.375 8.348	Cadmium (mg/L) 0.0002		Chloride (mg/L) 14700	Copper (mg/L) <0.001	Cyanide WAD (mg/L) <0.004	Iron (mg/L) 0.03	Lead (mg/L) <0.0002	Magnesium (mg/L) 1310	Manganese (mg/L) 0.0828	Molybdenum (mg/L) 0.0006	Nickel (mg/L) 0.0214	Potassium (mg/L) 53	Selenium (mg/L) 0.006	Sodium (mg/L) 8040	Sulphate (mg/L) 2900	Total Dissolved Solid (mg/L) 31200	Total Hardness (mg/L) 7620	Zinc (mg/L) <0.005		Comments
Frequency Monthly Frequency Quarterly	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled	Date Obtained 18/01/2021 02/02/2021 Date Obtained	Date Published 20/02/2021 20/03/2021 Date Published	6.66 6.83 2 6.7 6.7 6.8 6.7 Alkalinity (mg/L)	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L)	8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L)		Calcium (mg/L)				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled 18/01/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021	6.66 6.83 2 6.7 6.7 6.8 6.7 Alkalinity (mg/L)	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L)	\$\text{SWL (m)}\$ 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005		Calcium (mg/L)				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mon	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled 18/01/2021 18/01/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021	6.66 6.83 2 6.7 6.7 6.8 6.7 419 south of the souther	Field - Electrical Conductivity (µS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L) <0.0005	8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005		Calcium (mg/L) 890				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mon	Date Sampled 18/01/2021 02/02/2021 es Collected lue Date Sampled 18/01/2021 18/01/2021 Date Sampled Date Sampled Date Sampled	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the	6.66 6.83 2 6.7 6.7 6.7 6.8 6.7 419 south of the souther	Field - Electrical Conductivity (µS/cm) 44259 44727 2 44259 44493 44727 44493 Antimony (mg/L) <0.0005 relations storage facility Field - Electrical Conductivity (µS/cm)	8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005		Calcium (mg/L)				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Guarterly Guarterly Monitoring Point Groundwater quarterly Monthly Monthly	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled 18/01/2021 58 < IWL06B > ity monitoring, Ground Date Sampled 18/01/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the Date Published 20/02/2021	6.66 6.83 2 6.7 6.7 6.8 6.7 419 south of the souther	Field - Electrical Conductivity (µS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L) <0.0005 Tailings storage facility Field - Electrical	8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005		Calcium (mg/L) 890				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Cuarterly Cuarterly Cuarterly Monthly Monthly Monthly Monthly Monthly Monthly Monthly	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled 18/01/2021 58 < IWL06B > ity monitoring, Ground Date Sampled 18/01/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained 18/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the Date Published 20/02/2021	6.66 6.83 2 6.7 6.7 6.8 6.7 419 south of the souther Field - pH (units) 6.58	Field - Electrical Conductivity (µS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Field - Electrical Conductivity (µS/cm) 42615	\$\text{SWL (m)}\$ 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 \$\text{SWL (m)}\$ 8.193		Calcium (mg/L) 890				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Toundwater quarterly Monthly	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled 18/01/2021 58 < IWL06B > ity monitoring, Ground Date Sampled 18/01/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained 18/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the Date Published 20/02/2021	6.66 6.83 2 6.7 6.7 6.8 6.7 419 south of the souther Field - pH (units) 6.58	Field - Electrical Conductivity (µS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Field - Electrical Conductivity (µS/cm) 42615	\$\text{SWL (m)}\$ 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 \$\text{SWL (m)}\$ 8.193		Calcium (mg/L) 890				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled 18/01/2021 58 < IWL06B > ity monitoring, Ground Date Sampled 18/01/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained 18/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the Date Published 20/02/2021	6.66 6.83 2 6.7 6.7 6.8 6.7 419 south of the souther Field - pH (units) 6.58	Field - Electrical Conductivity (µS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Field - Electrical Conductivity (µS/cm) 42615	\$\text{SWL (m)}\$ 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 \$\text{SWL (m)}\$ 8.193		Calcium (mg/L) 890				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled 18/01/2021 58 < IWL06B > ity monitoring, Ground Date Sampled 18/01/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained 18/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the Date Published 20/02/2021	6.66 6.83 2 6.7 6.7 6.8 6.7 419 south of the souther Field - pH (units) 6.58	Field - Electrical Conductivity (µS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Field - Electrical Conductivity (µS/cm) 42615	\$\text{SWL (m)}\$ 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 \$\text{SWL (m)}\$ 8.193		Calcium (mg/L) 890				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Date Sampled 18/01/2021 02/02/2021 es Collected lue Date Sampled 18/01/2021 18/01/2021 Date Sampled 18/01/2021 02/02/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained 18/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the Date Published 20/02/2021	6.66 6.83 2 6.7 6.7 6.8 6.7 419 south of the souther Field - pH (units) 6.58	Field - Electrical Conductivity (µS/cm) 44259 44727 2 44259 444259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Field - Electrical Conductivity (µS/cm) 42615	\$\text{SWL (m)}\$ 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 \$\text{SWL (m)}\$ 8.193		Calcium (mg/L) 890				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Month	Date Sampled 18/01/2021 02/02/2021 es Collected lue Date Sampled 18/01/2021 18/01/2021 Date Sampled 18/01/2021 02/02/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained 18/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the Date Published 20/02/2021	Field - pH (units) 6.66 6.83 2 6.7 6.7 6.8 6.7 419 south of the souther Field - pH (units) 6.58 6.82	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 44493 44727 44493 Antimony (mg/L) <0.0005 Tailings storage facility Field - Electrical Conductivity (μS/cm) 42615 43355	SWL (m) 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 SWL (m) 8.193 8.080		Calcium (mg/L) 890				Iron (mg/L) 0.03						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Date Sampled 18/01/2021 02/02/2021 es Collected Date Sampled 18/01/2021 18/01/2021 Date Sampled 18/01/2021 02/02/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained 18/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the Date Published 20/02/2021	Field - pH (units) 6.66 6.83 2 6.7 6.7 6.8 6.7 Alkalinity (mg/L) 419 south of the southers 6.58 6.82 2 6.6 6.7 6.8	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Pield - Electrical Conductivity (μS/cm) 42615 43355 2 42615 43355	SWL (m) 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 SWL (m) 8.193 8.080 8.137 8.193		Calcium (mg/L) 890				Iron (mg/L)						Potassium (mg/L) 53				1 0. /				Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Date Sampled 18/01/2021 02/02/2021 Date Sampled 18/01/2021 25 Collected 18/01/2021 Date Sampled 18/01/2021 02/02/2021 25 Collected Date Sampled 18/01/2021 02/02/2021	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 ndwater monitorin Date Obtained 18/01/2021 02/02/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the 20/02/2021 20/03/2021	Field - pH (units) 6.66 6.83 2 6.7 6.7 6.8 6.7 6.8 6.7 Alkalinity (mg/L) 419 south of the souther 6.58 6.82 6.7 6.8 6.7	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Field - Electrical Conductivity (μS/cm) 42615 43355 43355 42985	SWL (m) 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 SWL (m) 8.193 8.080 8.137 8.137 8.137	0.0002	Calcium (mg/L) 890 Comments	14700	<0.001	<0.004	(mg/L) 0.03	<0.0002	1310	0.0828	0.0006	0.0214	53	0.006	8040	2900	31200	7620	<0.005		
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Date Sampled 18/01/2021 02/02/2021 2s Collected Date Sampled 18/01/2021 258 < IWL06B > ity monitoring, Ground	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained 18/01/2021 02/02/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published	Field - pH (units) 6.66 6.83 2 6.7 6.7 6.8 6.7 6.8 6.7 Alkalinity (mg/L) 419 south of the souther 6.58 6.82 Alkalinity (mg/L) Alkalinity (mg/L)	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Field - Electrical Conductivity (μS/cm) 42615 43355 A3355 Antimony (mg/L) 2 42615 43355	SWL (m) 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 SWL (m) 8.193 8.080 8.137 8.193 8.137 Arsenic (mg/L)	0.0002	Calcium (mg/L) 890	Chloride (mg/L)	<0.001 Copper (mg/L)	Cyanide WAD (mg/L)	(mg/L) 0.03	<0.0002 Lead (mg/L)	Magnesium (mg/L)	0.0828 Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L) 53	0.006 Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	31200 Total Dissolved Solid (mg/L)	Total Hardness (mg/L)	<0.005 Zinc (mg/L)		Comments
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Date Sampled 18/01/2021 02/02/2021 2s Collected Date Sampled 18/01/2021 258 < IWL06B > ity monitoring, Ground	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 ndwater monitorin Date Obtained 18/01/2021 02/02/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the 20/02/2021 20/03/2021	Field - pH (units) 6.66 6.83 2 6.7 6.7 6.8 6.7 6.8 6.7 Alkalinity (mg/L) 419 south of the souther 6.58 6.82 6.7 6.8 6.7	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Field - Electrical Conductivity (μS/cm) 42615 43355 43355 42985	SWL (m) 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 SWL (m) 8.193 8.080 8.137 8.137 8.137	0.0002	Calcium (mg/L) 890 Calcium (mg/L)	14700	<0.001	<0.004	(mg/L) 0.03	<0.0002	1310	0.0828	0.0006	0.0214	Potassium (mg/L)	0.006	8040	2900	31200 Total Dissolved Solid	7620	<0.005		
Frequency Monthly Mean of Sample Highest Sample V Median Frequency Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Date Sampled 18/01/2021 02/02/2021 2s Collected Date Sampled 18/01/2021 258 < IWL06B > ity monitoring, Ground	Date Obtained 18/01/2021 02/02/2021 Date Obtained 28/01/2021 Date Obtained 18/01/2021 02/02/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 g bore located to the 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published	Field - pH (units) 6.66 6.83 2 6.7 6.7 6.8 6.7 6.8 6.7 Alkalinity (mg/L) 419 south of the souther 6.58 6.82 Alkalinity (mg/L) Alkalinity (mg/L)	Field - Electrical Conductivity (μS/cm) 44259 44727 2 44259 44493 44727 44493 Antimony (mg/L) <0.0005 1 tailings storage facility Field - Electrical Conductivity (μS/cm) 42615 43355 A3355 Antimony (mg/L) 2 42615 43355	SWL (m) 8.375 8.320 2 8.320 8.348 8.375 8.348 Arsenic (mg/L) <0.0005 SWL (m) 8.193 8.080 8.137 8.193 8.137 Arsenic (mg/L)	0.0002	Calcium (mg/L) 890 Calcium (mg/L)	Chloride (mg/L)	<0.001 Copper (mg/L)	Cyanide WAD (mg/L)	(mg/L) 0.03	<0.0002 Lead (mg/L)	Magnesium (mg/L)	0.0828 Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	0.006 Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	31200 Total Dissolved Solid (mg/L)	Total Hardness (mg/L)	<0.005 Zinc (mg/L)		





| Company | Comp





ng Point: 62 <iwl04b> ater quality monitoring, Groundwater monito</iwl04b>	oring bore located to	the south of the southern tailings stor	ge facility																				
y Date Sampled Date Obtained	d Date Published	Field - pH (units) Conductivi	ectrical y (μS/cm)	SWL (m)		Comments																	
13/01/2021 13/01/2021 03/02/2021 03/02/2021				-		Dry Dry																	
of Samples Collected		0		0																			
alue Sample ample Value		0.0 0.0 0.0 0.0		0.000 0.000 0.000 0.000																			
y Date Sampled Date Obtained	d Date Published		(mg/L) Ars		mium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Ma	Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solid: (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
13/01/2021 22/01/2021	20/02/2021	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry Dry Dry
ng Point: 63 <iwl03a> ater quality monitoring, Groundwater monito</iwl03a>	oring bore located to	the south of the southern tailings stor	ge facility																				Dry
Date Sampled Date Obtained	d Date Published	Field - pH (units) Conductivi	ectrical γ (μS/cm)	SWL (m)		Comments																	
13/01/2021 13/01/2021 18/02/2021 18/02/2021	20/02/2021 20/03/2021	6.88 38	57	23.877				_															
Samples Collected lue ample				2 23.804 23.841																			
nple Value		6.9 38	57	23.877 23.841																			
Date Sampled Date Obtained	d Date Published	Alkalinity (mg/L) Antimon	(mg/L) Ars	senic (mg/L) Cadm	mium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L) 0.008	Lead (mg/L)	Magnesium (mg/L) Ma	langanese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solid	Total Hardness (mg/L)	Zinc (mg/L)	Comments
13/01/2021 22/01/2021	20/02/2021	726 <0.0	005							(81 -1										(8/ =/			
	20/02/2021			<0.0005	0.0002	371	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
ng Point: 64 <iwl03b></iwl03b>				<0.0005	0.0002	371	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
ng Point: 64 <iwl03b> ater quality monitoring, Groundwater monito</iwl03b>		the south of the southern tailings stor	ge facility	<0.0005 (0.0002	371 Comments	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
g Point: 64 < IWL03B > ter quality monitoring, Groundwater monito Date Sampled Date Obtained 13/01/2021 13/01/2021	Date Published 20/02/2021	the south of the southern tailings stor Field - pH (units) Field - E Conductivi	ge facility ectrical y (μS/cm)	SWL (m)	0.0002		14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
g Point: 64 < IWL03B > ter quality monitoring, Groundwater monito Date Sampled Date Obtained	Date Published 20/02/2021	the south of the southern tailings stor Field - pH (units) Field - E Conductivi	ge facility ectrical y (μS/cm)	SWL (m)	0.0002	Comments	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
p Point: 64 < IWL03B > ter quality monitoring, Groundwater monito Date Sampled Date Obtained 13/01/2021 13/01/2021	Date Published 20/02/2021	the south of the southern tailings stor Field - pH (units) Field - E Conductivi	ge facility ectrical y (μS/cm)	SWL (m)	0.0002	Comments	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
g Point: 64 < IWL03B > ter quality monitoring, Groundwater monito Date Sampled Date Obtained 13/01/2021 13/01/2021	Date Published 20/02/2021	the south of the southern tailings stor Field - pH (units) Field - E Conductivi	ge facility ectrical y (μS/cm)	SWL (m)	0.0002	Comments	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
pg Point: 64 < IWL03B > ter quality monitoring, Groundwater monito Date Sampled Date Obtained 13/01/2021 13/01/2021	Date Published 20/02/2021	the south of the southern tailings stor Field - pH (units) Field - E Conductivi	ge facility ectrical y (μS/cm)	SWL (m)	0.0002	Comments	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
g Point: 64 <iwl03b> ter quality monitoring, Groundwater monito Date Sampled 13/01/2021 18/02/2021 18/02/2021 F Samples Collected</iwl03b>	Date Published 20/02/2021	the south of the southern tailings stor Field - pH (units) Field - E Conductivi	ge facility ectrical y (μS/cm)	SWL (m)	0.0002	Comments	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
g Point: 64 <iwl03b> ter quality monitoring, Groundwater monito Date Sampled 13/01/2021 18/02/2021 18/02/2021 F Samples Collected lue ample</iwl03b>	Date Published 20/02/2021	the south of the southern tailings store Field - pH (units) 0 0 0.0 0.0 0.0 0.0	ge facility ectrical y (μS/cm)	SWL (m) 0 0.000 0.000 0.000 0.000	0.0002	Comments	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
g Point: 64 < IWL03B> ter quality monitoring, Groundwater monito Date Sampled 13/01/2021 18/02/2021 18/02/2021 F Samples Collected lue ample mple Value	Date Published 20/02/2021 20/03/2021	the south of the southern tailings store Field - pH (units) 0 0.0 0.0 0.0 0.0 0.0 0.0	ge facility ectrical y (µS/cm)	SWL (m) 0 0.000 0.000 0.000 0.000 0.000		Comments Dry Dry										Potassium (mg/l)				Total Dissolved Solid			Comments
Point: 64 < IWL03B > Ser quality monitoring, Groundwater monitoring and the sampled between the sample and the	Date Published 20/02/2021 20/03/2021 Date Published	the south of the southern tailings store Field - pH (units) Field - E Conductivi	ge facility ectrical y (µS/cm) (mg/L) Ars	SWL (m) 0 0.000 0.000 0.000 0.000 0.000 0.000 0.000 Cadm	mium (mg/L)	Comments	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)					Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)		23000	Total Hardness (mg/L)		Comments Dry Dry
Point: 64 < IWL03B > er quality monitoring, Groundwater monito Date Sampled 13/01/2021 18/02/2021 18/02/2021 Samples Collected Dete Sample Male Date Sampled Date Obtained Date Obtained Date Sample Male Date Sampled Date Obtained	Date Published 20/02/2021 20/03/2021 Date Published	the south of the southern tailings store Field - pH (units) Field - E Conductivi	ge facility ectrical y (µS/cm) (mg/L) Ars	SWL (m) 0 0.000 0.000 0.000 0.000 0.000 0.000 0.000 Cadm	mium (mg/L)	Comments Dry Dry Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments Dry Dry Dry Dry Dry Dry
g Point: 64 < IWL03B > ster quality monitoring, Groundwater monitor / Date Sampled Date Obtained 13/01/2021 13/01/2021 18/02/2021 18/02/2021 18/02/2021 f Samples Collected lue ample mple Value / Date Sampled Date Obtained 13/01/2021 22/01/2021 13/01/2021 22/01/2021 g Point: 65 < IWL02A >	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021	the south of the southern tailings store Field - pH (units) O O O O O O O Alkalinity (mg/L) Antimon	ge facility ectrical y (μS/cm) (mg/L) Ars	SWL (m) 0 0.000 0.000 0.000 0.000 0.000 0.000 0.000 Cadm	mium (mg/L)	Comments Dry Dry Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
g Point: 64 < IWL03B> ter quality monitoring, Groundwater monito 13/01/2021 13/01/2021 18/02/2021 18/02/2021 f Samples Collected lue ample mple Value 7 Date Sampled Date Obtained 13/01/2021 22/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021	the south of the southern tailings store Field - pH (units) O O O O O O O O Alkalinity (mg/L) Antimon - Tield - Eield - E	ge facility ectrical y (µS/cm) (mg/L) Ars ge facility	SWL (m) 0 0.000 0.000 0.000 0.000 0.000 0.000 0.000 Cadm	mium (mg/L)	Comments Dry Dry Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
g Point: 64 < IWL03B> ter quality monitoring, Groundwater monito 13/01/2021 13/01/2021 18/02/2021 18/02/2021 f Samples Collected lue ample mple Value 13/01/2021 22/01/2021 g Point: 65 < IWL02A> ter quality monitoring, Groundwater monito 18/01/2021 18/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published 20/02/2021	the south of the southern tailings store Field - pH (units) O O O O O O O O O O O O O	ge facility ectrical y (µS/cm) (mg/L) Ars ge facility ectrical y (µS/cm)	SWL (m) 0 0.000 0.000 0.000 0.000 0.000 senic (mg/L) Cadm -	mium (mg/L)	Comments Dry Dry Calcium (mg/L) -	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
g Point: 64 < IWL03B > ster quality monitoring, Groundwater monitoring, Ground	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published 20/02/2021	the south of the southern tailings store Field - pH (units) O O O O O O O O O O O O O	ge facility getrical (mg/L) Ars ge facility getrical (mg/L) Ars	SWL (m) 0 0.000 0.000 0.000 0.000 0.000 - senic (mg/L) Cadm - SWL (m) 15.690	mium (mg/L)	Comments Dry Dry Calcium (mg/L) -	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
g Point: 64 < IWL03B> ter quality monitoring, Groundwater monito 13/01/2021 13/01/2021 18/02/2021 18/02/2021 f Samples Collected lue ample mple Value Date Sampled Date Obtained 13/01/2021 22/01/2021 pg Point: 65 < IWL02A> ter quality monitoring, Groundwater monito Date Sampled Date Obtained 18/01/2021 18/01/2021	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published 20/02/2021	the south of the southern tailings store Field - pH (units) O O O O O O O O O O O O O	ge facility getrical (mg/L) Ars ge facility getrical (mg/L) Ars	SWL (m) 0 0.000 0.000 0.000 0.000 0.000 - senic (mg/L) Cadm - SWL (m) 15.690	mium (mg/L)	Comments Dry Dry Calcium (mg/L) -	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
property of the sample of sample sample value The point: 64 < IWL03B > ater quality monitoring, Groundwater monitoring and the sample sample value The point: 65 < IWL02A > ater quality monitoring, Groundwater monitoring and pate Obtained and the sample value The point: 65 < IWL02A > ater quality monitoring, Groundwater monitoring and pate Obtained and the sample value are quality monitoring, Groundwater monitoring and pate Obtained and pate Obtained and pate of the sample value are quality monitoring, Groundwater monitoring value and pate Obtained and pate Obtained value and pate Obtained value are quality monitoring and pate Obtained value an	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published 20/02/2021	the south of the southern tailings store Field - pH (units) O O O O O O O O O O O O O	ge facility getrical (mg/L) Ars ge facility getrical (mg/L) Ars	SWL (m) 0 0.000 0.000 0.000 0.000 0.000 - senic (mg/L) Cadm - SWL (m) 15.690	mium (mg/L)	Comments Dry Dry Calcium (mg/L) -	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
ng Point: 64 <iwl03b> ater quality monitoring, Groundwater monito y Date Sampled Date Obtained 13/01/2021 13/01/2021 18/02/2021 18/02/2021 Of Samples Collected alue Sample ample Value y Date Sampled Date Obtained 13/01/2021 22/01/2021 13/01/2021 22/01/2021 ng Point: 65 <iwl02a> ater quality monitoring, Groundwater monito y Date Sampled Date Obtained 18/01/2021 18/01/2021 18/01/2021 18/01/2021</iwl02a></iwl03b>	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published 20/02/2021	the south of the southern tailings store Field - pH (units) O O O O O O O O O O O O O	ge facility ectrical y (µS/cm) (mg/L) Ars ge facility ectrical y (µS/cm) 50 21	SWL (m) 0 0.000 0.000 0.000 0.000 0.000 - senic (mg/L) Cadm - SWL (m) 15.690	mium (mg/L)	Comments Dry Dry Calcium (mg/L) -	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
g Point: 64 <iwl03b> ter quality monitoring, Groundwater monito Date Sampled 13/01/2021 18/02/2021 18/02/2021 18/02/2021 18/02/2021 F Samples Collected lue ample mple Value Date Sampled Date Obtained 13/01/2021 22/01/2021 g Point: 65 <iwl02a> ter quality monitoring, Groundwater monito 18/01/2021 18/02/2021 18/02/2021 18/02/2021 18/02/2021</iwl02a></iwl03b>	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published 20/02/2021	the south of the southern tailings store Field - pH (units) O O O O O O O O O O O O O	ge facility ectrical y (µS/cm) (mg/L) Ars ge facility getrical y (µS/cm) 21	SWL (m)	mium (mg/L)	Comments Dry Dry Calcium (mg/L) -	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
point: 64 < IWL03B > ter quality monitoring, Groundwater monitor Date Sampled	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published 20/02/2021	## Field - pH (units)	ge facility ectrical y (µS/cm) (mg/L) Ars ge facility ectrical y (µS/cm) 50 21	SWL (m)	mium (mg/L)	Comments Dry Dry Calcium (mg/L) -	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Magnesium (mg/L)	flanganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
g Point: 64 < WL03B> ter quality monitoring, Groundwater monito / Date Sampled Date Obtained 13/01/2021 13/01/2021 18/02/2021 18/02/2021 f Samples Collected liue ample mple Value / Date Sampled Date Obtained 13/01/2021 22/01/2021 g Point: 65 < WL02A> ter quality monitoring, Groundwater monito / Date Sampled Date Obtained 18/01/2021 18/01/2021 18/02/2021 18/02/2021 f Samples Collected liue ample mple Value	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 Date Published 20/02/2021	## Field - pH (units) Field - pH (units)	ge facility ectrical y (µS/cm) (mg/L) Ars ge facility ectrical y (µS/cm) 36 36 36	SWL (m)	mium (mg/L)	Comments Dry Dry Calcium (mg/L) -	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Ma	Janganese (mg/L)	Molybdenum (mg/L) -	Nickel (mg/L) -	-	Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solid: (mg/L) -	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry
proposition of the complex of samples and part	Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 20/03/2021 Date Published 20/02/2021 20/03/2021	the south of the southern tailings store Field - pH (units)	ge facility getrical y (µS/cm) (mg/L) Ars ge facility getrical y (µS/cm) 60 21 36 60 36 (mg/L) Ars	SWL (m)	mium (mg/L)	Comments Dry Dry Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Cyanide WAD (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L) Ma	Janganese (mg/L)	Molybdenum (mg/L) -	Nickel (mg/L) -		Selenium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Dry Dry Dry Dry

	Evolution MINING Cowal
otal Hardness (mg/L) - -	Dry Dry Dry Dry Dry
otal Hardness (mg/L) 4350 <0.005	Comments
otal Hardness (mg/L) - - - - - - - - - - - - -	Dry Dry Dry Dry Dry
otal Hardness (mg/L) 4990 <0.005	Comments



Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility



Groundwate

Monitoring Point: 66 < IWL02B >

| Column | C





Evolution MINING Cowal

Waste Rock Leachate

Monitoring Point: 41 < Northern Waste Emplacement > Northern Waste Emplacement leachate quality monitoring

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Comments
Monthly	-	-	-	-	-	No water present in toe drain
Monthly	-	-	-	-	-	No water present in toe drain
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Number of Samp	les Collected			0	0	
Lowest Value				0.0	0	
Mean of Sample				0.0	0	
Highest Sample \	/alue			0.0	0	
Median				0.0	0	

Frequenc	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Total Hardness (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly																									
Quarterly																									
0 1 1																									

Monitoring Point: 42 <Southern Waste Emplacement> Southern Waste Emplacement leachate quality monitoring

					Field - Electrical	
Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Conductivity	Comments
					(μS/cm)	
Monthly	06/01/2021	06/01/2021	20/02/2021	7.96	16499	
Monthly	03/02/2021	03/02/2021	20/03/2021	5.25	12418	
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Number of Samp	oles Collected			2	2	
Lowest Value				5.3	12418	
Mean of Sample				6.6	14459	
Highest Sample	Value			8.0	16499	
Median				6.6	14459	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Total Hardness (mg/L)	otal Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	06/01/2021	13/01/2021	20/02/2021	228	0.0004	0.0007	0.00401	621	4600	0.0012	0.008	<0.0001	547	0.136			34					12700	603	0.028	1
Quarterly																									1
Quarterly																									1
Quarterly																_									

Monitoring Point: 43 < Perimeter Waste Emplacement > Perimeter Waste Emplacement leachate quality monitoring

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (μS/cm)	Comments
Monthly	-	-	-	-	-	No water present in toe drain
Monthly	-	-	-	-	-	No water present in toe drain
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Number of Samp	oles Collected			0	0	
Lowest Value				0.0	0	
Mean of Sample				0.0	0	
Highest Sample				0.0	0	
Median				0.0	0	

Frequency	Date Sampl	led Date Obtained	Date Published Alkalinity (mg/L)	Antimony (mg/L	Arsenic (mg/L)	Cadmium (mg/	.) Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Total Hardness (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly																								
Quarterly																								
Quarterly																								





Ambient Noise

Q1 Noise Monitoring

Daytime Mine O	Operating Intrusive No	ise Levels (dBA re 20 ¡	ıРа)		ted LA _{eq(15minute)} -		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							

Evening Mine O	perating Intrusive Noi	se Levels (dBA re 20 μ	Pa)		ed LA _{eq(15minute)} -		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							

Night time Mine	Operating Intrusive N	Noise Levels (dBA re 20) μРа)		ed LA _{eq(15minute)} - BA		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							

n/a - Mine noise emission not discernible

Q2 Noise Monitoring

Daytime Mine O	perating Intrusive No	ise Levels (dBA re 20 _l	л Ра)		ed LA _{eq(15minute)} - BA		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							Assessed to be non-related to blasting practices
N16							

Evening Mine O	perating Intrusive Noi	se Levels (dBA re 20 μ	ıPa)		ed LA _{eq(15minute)} - BA		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							

				Mine Contribut	ed LA _{eq(15minute)} -		
Night time Mine	Operating Intrusive N	loise Levels (dBA re 2	0 μPa)	di	BA		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria	Comments
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	$LA_{eq(15minute)}$ - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							

N/A - Mine noise emission not discernible





Ambient Noise

Q3 Noise Monitoring

Daytime Mine O	perating Intrusive No	ise Levels (dBA re 20 _l	µРа)		ed LA _{eq(15minute)} - BA		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							

Evening Mine O	perating Intrusive Noi	ise Levels (dBA re 20 μ	.Pa)		ed LA _{eq(15minute)} - BA		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							

Night time Mine	Operating Intrusive N	Noise Levels (dBA re 2	0 μPa)		ed LA _{eq(15minute)} - BA		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							

N/A - Mine noise emission not discernible

Q4 Noise Monitoring

				Mine Contribut	ed LA _{eq(15minute)} -		
Daytime Mine O	perating Intrusive No	ise Levels (dBA re 20 ¡	μPa)	dI	ВА		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01						,	
N11							
N09							
N10							
N12							
N15							
N17							
N16							

Evening Mine O	perating Intrusive Noi	ise Levels (dBA re 20 μ	ιPa)		ed LA _{eq(15minute)} - BA		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							

				Mine Contribut	ed LA _{eq(15minute)} -		
Night time Mine	Operating Intrusive N	Noise Levels (dBA re 2	0 μPa)		ВА		
Location	Date Sampled	Date Obtained	Date Published	Survey 1	Survey 2	Noise Criteria LA _{eq(15minute)} - dBA	Comments
N01							
N11							
N09							
N10							
N12							
N15							
N17							
N16							





Blasting & Ground Vibration

Monitoring Point: BM01

Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded at private residence to the south-east of ML1535 boundary

				[Trigger	Threshold	BM01 at	t Blast Time	
Blast Number	Day/Date	Time	Date Obtained	Date Published	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Comments
JANUARY			-						
1020-216 & 1011-552	Saturday, 02/01/2021	12:35:19	10/02/2021	20/02/2021	5	115	0.10	88.0	
1020-205 Preliminary	Sunday, 03/01/2021	12:42:27	10/02/2021	20/02/2021	1	95	0.10	81.9	
1029-574 Preliminary	Sunday,03/01/2021	12:46:01	10/02/2021	20/02/2021	1	95	0.10	88.0	
1029-575 Preliminary	Monday,04/01/2021	09:13:50	10/02/2021	20/02/2021	5	115	0.12	81.9	
1011-902, 1011-554 &	Tuesday, 05/01/2021	12:38:59	10/02/2021	20/02/2021	5	115	0.10	94.0	
1029-114 Preliminary	Thursday, 07/01/2021	13:22:34	10/02/2021	20/02/2021	5	115	0.09	91.5	
1029-115 Preliminary	Saturday, 09/01/2021	15:03:40	10/02/2021	20/02/2021	5	115	0.09	88.0	
1029-116 1011-557 Pr	Monday, 11/01/2021	12:41:16	10/02/2021	20/02/2021	5	115	0.11	81.9	
1020-208, 1020-217 Pt	Thursday, 14/01/2021	12:45:18	10/02/2021	20/02/2021	5	115	0.09	88.0	
1011-557B & 1101-556	Thursday, 14/01/2021	12:48:11	10/02/2021	20/02/2021	5	115	0.09	81.9	
1020-207 & Large Roc	Sunday, 17/01/2021	12:34:46	10/02/2021	20/02/2021	1	95	0.10	88.0	
1020-209 Preliminary	Tuesday, 19/01/2021	12:20:28	10/02/2021	20/02/2021	5	115	0.10	91.5	
1029-101 Preliminary	Wednesday, 20/01/2021	12:31:44	10/02/2021	20/02/2021	5	115	0.09	88.0	
1020-204 Preliminary	Saturday, 23/01/2021	12:38:23	10/02/2021	20/02/2021	5	115	0.09	91.5	
1020-210A & 1020-203	Wednesday, 27/01/2021	14:18:03	10/02/2021	20/02/2021	5	115	0.09	95.9	
1020-201 & 1029 Toe I	Saturday, 30/01/2021	12:38:43	10/02/2021	20/02/2021	5	115	0.10	88.0	
FEBRUARY									
1011-307	Wednesday, 3 February 2021	12:30:57	08/03/2021	20/03/2021	5	115	0.10	88.0	
1020-203B	Wednesday, 10 February 2021	13:33:10	08/03/2021	20/03/2021	5	115	0.10	88.0	
1011-306	Friday, 12 February 2021	12:24:09	08/03/2021	20/03/2021	5	115	0.10	95.9	
1020-211	Sunday, 14 February 2021	12:36:45	08/03/2021	20/03/2021	1	95	0.09	81.9	
1011-561	Sunday, 14 February 2021	12:38:40	08/03/2021	20/03/2021	1	95	0.09	81.9	
1020-202	Tuesday, 16 February 2021	12:29:29	08/03/2021	20/03/2021	5	115	0.10	95.9	
1011-558 & 1020 Large	Tuesday, 16 February 2021	12:31:19	08/03/2021	20/03/2021	5	115	0.10	91.5	
1020 -Toe	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.11	88.0	
1011-559	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.11	88.0	
1020-212A	Monday, 22 February 2021	12:40:02	08/03/2021	20/03/2021	5	115	0.09	101.0	
1020-214	Wednesday, 24 February 2021	13:24:18	08/03/2021	20/03/2021	5	115	0.09	81.9	
1011-305	Saturday, 27 February 2021	16:25:43	08/03/2021	20/03/2021	5	115	0.08	95.9	





					Trigger Threshold		BM02 at Blast Time		
Blast Number	Day/Date	Time	Date Obtained	Date Published	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))		Airblast Overpressure (dB(L))	Comments
ANUARY				ll	(, 0)	((-//	(, 0)	((-))	
020-216 & 1011-552	Saturday, 02/01/2021	12:35:19	10/02/2021	20/02/2021	5	115	0.14	1 88.0	
020-205 Preliminary	Sunday, 03/01/2021	12:42:27	10/02/2021	20/02/2021	1	95	0.14		
029-574 Preliminary	Sunday,03/01/2021	12:46:01	10/02/2021	20/02/2021	1	95	0.14	88.0	
029-575 Preliminary	Monday,04/01/2021	09:13:50	10/02/2021	20/02/2021	5	115	0.13		
011-902, 1011-554 &	Tuesday, 05/01/2021	12:38:59	10/02/2021	20/02/2021	5	115	0.13		
029-114 Preliminary	Thursday, 07/01/2021	13:22:34	10/02/2021	20/02/2021	5	115	0.14		
029-115 Preliminary	Saturday, 09/01/2021	15:03:40	10/02/2021	20/02/2021	5	115	0.13		
029-116 1011-557 Pr	Monday, 11/01/2021	12:41:16	10/02/2021	20/02/2021	5	115	0.16	95.9	
020-208, 1020-217 P	Thursday, 14/01/2021	12:45:18	10/02/2021	20/02/2021	5	115	0.14		
011-557B & 1101-556	Thursday, 14/01/2021	12:48:11	10/02/2021	20/02/2021	5	115	0.13		
020-207 & Large Roc	Sunday, 17/01/2021	12:34:46	10/02/2021	20/02/2021	1	95	0.14		Assessed to be non-related to blasting practices
020-209 Preliminary	Tuesday, 19/01/2021	12:20:28	10/02/2021	20/02/2021	5	115	0.14		
029-101 Preliminary	Wednesday, 20/01/2021	12:31:44	10/02/2021	20/02/2021	5	115	0.14	91.5	
020-204 Preliminary	Saturday, 23/01/2021	12:38:23	10/02/2021	20/02/2021	5	115	0.15		
020-210A & 1020-203	Wednesday, 27/01/2021	14:18:03	10/02/2021	20/02/2021	5	115	0.14	91.5	
020-201 & 1029 Toe	Saturday, 30/01/2021	12:38:43	10/02/2021	20/02/2021	5	115	0.14	91.5	
EBRUARY									
011-307	Wednesday, 3 February 2021	12:30:57	08/03/2021	20/03/2021	5	115	0.15	97.5	
020-203B	Wednesday, 10 February 2021	13:33:10	08/03/2021	20/03/2021	5	115	0.21	91.5	
011-306	Friday, 12 February 2021	12:24:09	08/03/2021	20/03/2021	5	115	0.14	97.5	
020-211	Sunday, 14 February 2021	12:36:45	08/03/2021	20/03/2021	1	95	0.14	91.5	
011-561	Sunday, 14 February 2021	12:38:40	08/03/2021	20/03/2021	1	95	0.14	91.5	
020-202	Tuesday, 16 February 2021	12:29:29	08/03/2021	20/03/2021	5	115	0.15	91.5	
011-558 & 1020 Larg	Tuesday, 16 February 2021	12:31:19	08/03/2021	20/03/2021	5	115	0.13	94.0	
020 -Toe	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.14	95.9	
011-559	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.14	95.9	
020-212A	Monday, 22 February 2021	12:40:02	08/03/2021	20/03/2021	5	115	0.15	101.9	
020-214	Wednesday, 24 February 2021	13:24:18	08/03/2021	20/03/2021	5	115	0.18	88.0	
011-305	Saturday, 27 February 2021	16:25:43	08/03/2021	20/03/2021	5	115	0.17	88.0	
							<u> </u>		





				Trigger T	hreshold	BM03 at B	last Time	
Blast Number	Day/Date	Time	Date Obtained Date Published	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Comments
NUARY					<u> </u>		l l	
20-216 & 1011-552	Saturday, 02/01/2021	12:35:19	10/02/2021 20/02/2021	5	115	0.08	88.0	
020-205 Preliminary	Sunday, 03/01/2021	12:42:27	10/02/2021 20/02/2021	1	95	0.08	88.0	
029-574 Preliminary	Sunday,03/01/2021	12:46:01	10/02/2021 20/02/2021	1	95	0.07	88.0	
029-575 Preliminary	Monday,04/01/2021	09:13:50	10/02/2021 20/02/2021	5	115	0.10		
11-902, 1011-554 &	Tuesday, 05/01/2021	12:38:59	10/02/2021 20/02/2021	5	115	0.11		
29-114 Preliminary	Thursday, 07/01/2021	13:22:34	10/02/2021 20/02/2021	5	115	0.09		
029-115 Preliminary	Saturday, 09/01/2021	15:03:40	10/02/2021 20/02/2021	5	115	0.09		
029-116 1011-557 Pr	Monday, 11/01/2021	12:41:16	10/02/2021 20/02/2021	5	115	0.10		
)20-208, 1020-217 P	Thursday, 14/01/2021	12:45:18	10/02/2021 20/02/2021	5	115	0.12		
011-557B & 1101-556	Thursday, 14/01/2021	12:48:11	10/02/2021 20/02/2021	5	115	0.10		
20-207 & Large Roc	Sunday, 17/01/2021	12:34:46	10/02/2021 20/02/2021	1	95	0.08		
020-209 Preliminary	Tuesday, 19/01/2021	12:20:28	10/02/2021 20/02/2021	5	115	0.09		
029-101 Preliminary	Wednesday, 20/01/2021	12:31:44	10/02/2021 20/02/2021	5	115	0.09		
020-204 Preliminary	Saturday, 23/01/2021	12:38:23	10/02/2021 20/02/2021	5	115	0.11	98.8	
020-210A & 1020-203	Wednesday, 27/01/2021	14:18:03	10/02/2021 20/02/2021	5	115	0.09		
020-201 & 1029 Toe I	Saturday, 30/01/2021	12:38:43	10/02/2021 20/02/2021	5	115	0.07	91.5	
	,, , ,							
EBRUARY	1						l	
011-307	Wednesday, 3 February 2021	12:30:57	08/03/2021 20/03/2021	5	115	0.13	88.0	
)20-203B	Wednesday, 10 February 2021	13:33:10	08/03/2021 20/03/2021	5	115	0.14	91.5	
011-306	Friday, 12 February 2021	12:24:09	08/03/2021 20/03/2021	5	115	0.12	94.0	
)20-211	Sunday, 14 February 2021	12:36:45	08/03/2021 20/03/2021	1	95	0.09	91.5	
011-561	Sunday, 14 February 2021	12:38:40	08/03/2021 20/03/2021	1	95	0.07	88.0	
020-202	Tuesday, 16 February 2021	12:29:29	08/03/2021 20/03/2021	5	115	0.08	97.5	
011-558 & 1020 Large	Tuesday, 16 February 2021	12:31:19	08/03/2021 20/03/2021	5	115	0.07	98.8	
020 -Toe	Wednesday, 17 February 2021	12:38:18	08/03/2021 20/03/2021	5	115	0.07	94.0	
11-559	Wednesday, 17 February 2021	12:38:18	08/03/2021 20/03/2021	5	115	0.07	94.0	
)20-212A	Monday, 22 February 2021	12:40:02	08/03/2021 20/03/2021	5	115	0.09	97.5	
20-214	Wednesday, 24 February 2021	13:24:18	08/03/2021 20/03/2021	5	115	0.09	91.5	
011-305	Saturday, 27 February 2021	16:25:43	08/03/2021 20/03/2021	5	115	0.14	88.0	
555	220.00, 27. 20.00. 7. 20.21	10.20.10	30,00,2021 20,00,2021		113	0.11	55.0	





Monitoring Point: BM08.1 < Cowal North > Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded at private residence to the north, north east of ML1535 boundary

<u>.</u>					Trigger Thresho	ld	BM08.1 at Blast Time		
Blast Number	Day/Date	Time	Date Obtained	Date Published	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Comments
JANUARY				<u> </u>					
1020-216 & 1011-552	Saturday, 02/01/2021	12:35:19	10/02/2021	20/02/2021	5	115	0.01	88.0	
1020-205 Preliminary	Sunday, 03/01/2021	12:42:27	10/02/2021	20/02/2021	1	95	0.01	88.0	
1029-574 Preliminary	Sunday,03/01/2021	12:46:01	10/02/2021	20/02/2021	1	95	0.01	81.9	
1029-575 Preliminary	Monday,04/01/2021	09:13:50	10/02/2021	20/02/2021	5	115	0.01		
1011-902, 1011-554 &	Tuesday, 05/01/2021	12:38:59	10/02/2021	20/02/2021	5	115	0.01		
1029-114 Preliminary	Thursday, 07/01/2021	13:22:34	10/02/2021	20/02/2021	5	115	0.01		
1029-115 Preliminary	Saturday, 09/01/2021	15:03:40	10/02/2021	20/02/2021	5	115	0.01		
1029-116 1011-557 Pr	Monday, 11/01/2021	12:41:16	10/02/2021	20/02/2021	5	115	0.01		
1020-208, 1020-217 P	Thursday, 14/01/2021	12:45:18	10/02/2021	20/02/2021	5	115	0.02		
1011-557B & 1101-556	Thursday, 14/01/2021	12:48:11	10/02/2021	20/02/2021	5	115	0.02		
1020-207 & Large Roc	Sunday, 17/01/2021	12:34:46	10/02/2021	20/02/2021	1	95	0.01		
1020-209 Preliminary	Tuesday, 19/01/2021	12:20:28	10/02/2021	20/02/2021	5	115	0.01	l	
1029-101 Preliminary	Wednesday, 20/01/2021	12:31:44	10/02/2021	20/02/2021	5	115	0.01	l	
1020-204 Preliminary	Saturday, 23/01/2021	12:38:23	10/02/2021	20/02/2021	5	115	0.01		
1020-210A & 1020-203	Wednesday, 27/01/2021	14:18:03	10/02/2021	20/02/2021	5	115	0.41	l	
1020-201 & 1029 Toe	Saturday, 30/01/2021	12:38:43	10/02/2021	20/02/2021	5	115	0.11		
			, ,						
EBRUARY	<u> </u>		l						
1011-307	Wednesday, 3 February 2021	12:30:57	08/03/2021	20/03/2021	5	115	0.08	88.0	
1020-203B	Wednesday, 10 February 2021	13:33:10	08/03/2021	20/03/2021	5	115	0.06	88.0	
1011-306	Friday, 12 February 2021	12:24:09	08/03/2021	20/03/2021	5	115	0.07	107.0	
1020-211	Sunday, 14 February 2021	12:36:45	08/03/2021	20/03/2021	1	95	0.54	91.5	
1011-561	Sunday, 14 February 2021	12:38:40	08/03/2021	20/03/2021	1	95	0.01	88.0	
1020-202	Tuesday, 16 February 2021	12:29:29	08/03/2021	20/03/2021	5	115	0.02	95.9	
1011-558 & 1020 Large	Tuesday, 16 February 2021	12:31:19	08/03/2021	20/03/2021	5	115	0.01	91.5	
1020 -Toe	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.02	95.9	
1011-559	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.02	95.9	
1020-212A	Monday, 22 February 2021	12:40:02	08/03/2021	20/03/2021	5	115	0.02	97.5	
1020-214	Wednesday, 24 February 2021	13:24:18	08/03/2021	20/03/2021	5	115	0.02	88.0	
1011-305	Saturday, 27 February 2021	16:25:43	08/03/2021	20/03/2021	5	115	0.03	88.0	
	,,,		,,	-,,					

mpliance Summary – Overpressure level from blasting operations must not exceeded more than 5% of the total number of blasts over a period of 12 months Total Number of blasts last 12 months	Percentage of exceedances over 12 month period	0.0%	3.0%
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Cyanide

Monitoring Point: 48

Water quality monitoring, automated sampler located at the processing plant

			Total Cyanide (mg/L)				
Frequency	Month	No Sampled during Month	Minimum	Mean	Median	Maximum	Comments
Weekly	January	5	7.49	15.34	12.81	26.05	
Weekly	February	4	3.08	13.60	12.95	25.43	
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Weekly	_						

	Γ		WAD Cyanide	(mg/L)	Concentra	tion Limits	
Гиолисто	N/a math	No Sampled during Month			90th	100th	Comments
Frequency	Month		Minimum	Maximum		Percentile	Comments
Twice daily	January	62	0.00	7.96	20.00	30.00	
Twice daily	February	48	0.00	9.15	20.00	30.00	









Monitoring Point	Monitoring Point Type	Date Sampled Date Obtained	Date Originally Published	Parameter	Original	Correction	Comments