

Northparkes Operations



Licensee: Evolution Mining (Northparkes) Pty Ltd
 Sumitomo Metal Mining Oceana P/L
 SC Mineral Resources Pty Ltd
 EPL No.: 4784

Q1 Q2 Q3 Q4
 Sampled: 28/03/2025 18/06/2025 19/09/2025
 Obtained: 7/04/2025 15/07/2025 26/09/2025
 Published: 17/04/2025 28/07/2025 2/10/2025

EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result			
1 (W33)	Yearly	Aluminum	mg/L	0.02	0.07	0.02	
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	
	Yearly	Barium	mg/L	0.122	0.128	0.097	
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	
	Yearly	Bicarbonate	mg/L	33.0	104.0	52.0	
	Yearly	Cadmium	mg/L	0.0001	0.0001	0.0001	
	Yearly	Calcium	mg/L	994.0	754.0	920.0	
	Yearly	Chloride	mg/L	2,990.0	2,790.0	2,960.0	
	Yearly	Chromium	mg/L	0.001	0.002	0.001	
	Yearly	Cobalt	mg/L	0.001	0.001	0.001	
	Quarterly	Conductivity	µS/cm	8,948.0	8,699.0	8,297.0	
	Quarterly	Copper	mg/L	0.006	0.004	0.004	
	Yearly	Lead	mg/L	0.001	0.001	0.001	
	Yearly	Magnesium	mg/L	20.0	27.0	23.0	
	Yearly	Molybdenum	mg/L	0.119	0.002	0.028	
	Yearly	Nickel	mg/L	0.002	0.004	0.003	
	Quarterly	pH	pH	7.4	6.99	7.2	
	Yearly	Potassium	mg/L	45.0	44.0	40.0	
	Yearly	Selenium	mg/L	0.01	0.01	0.01	
	Yearly	Sodium	mg/L	1,100.0	1,010.0	1,010.0	
	Quarterly	Standing Water Level	m	23.76	23.57	23.40	
	Yearly	Sulfate	mg/L	460.0	397.0	628.0	
	Yearly	Total dissolved solids	mg/L	7,340.0	6,660.0	7530.0	
	Yearly	Zinc	mg/L	0.107	0.028	0.045	

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EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result			
2 (W19)	Yearly	Aluminum	mg/L	0.01	0.01	0.01	
	Yearly	Arsenic	mg/L	0.004	0.005	0.004	
	Yearly	Barium	mg/L	0.226	0.23	0.188	
	Yearly	Beryllium	mg/L	0.0001	0.0001	0.001	
	Yearly	Bicarbonate	mg/L	100.0	96.0	95.0	
	Yearly	Cadmium	mg/L	0.0002	0.0001	0.0001	
	Yearly	Calcium	mg/L	1,680.0	1,960.0	1,620.0	
	Yearly	Chloride	mg/L	4,600.0	4,610.0	4,620.0	
	Yearly	Chromium	mg/L	0.001	0.001	0.001	
	Yearly	Cobalt	mg/L	0.001	0.001	0.001	
	Quarterly	Conductivity	µS/cm	13,159.0	12,965.0	12,545.0	
	Quarterly	Copper	mg/L	0.011	0.004	0.004	
	Yearly	Lead	mg/L	0.001	0.001	0.001	
	Yearly	Magnesium	mg/L	116.0	115.0	113.0	
	Yearly	Molybdenum	mg/L	0.008	0.006	0.004	
	Yearly	Nickel	mg/L	0.004	0.005	0.003	
	Quarterly	pH	pH	7.0	7.12	6.92	
	Yearly	Potassium	mg/L	9.0	10.0	9.0	
	Yearly	Selenium	mg/L	0.01	0.01	0.01	
	Yearly	Sodium	mg/L	1,240.0	1,200.0	1,190.0	
	Quarterly	Standing Water Level	m	23.21	24.1	23.81	
	Yearly	Sulfate	mg/L	560.0	657.0	637.0	
	Yearly	Total dissolved solids	mg/L	10,400.0	10,200.0	11,800.0	
	Yearly	Zinc	mg/L	0.118	0.094	0.061	

	Q1	Q2	Q3	Q4
Sampled:	28/03/2025	28/05/2025	19/09/2025	
Obtained:	7/04/2025	11/06/2025	26/09/2025	
Published:	17/04/2025	24/06/2025	2/10/2025	

EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result			
3 (W21)	Yearly	Aluminum	mg/L	0.02	0.04	0.02	
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	
	Yearly	Barium	mg/L	0.143	0.19	0.048	
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	
	Yearly	Bicarbonate	mg/L	129.0	103.0	128.0	
	Yearly	Cadmium	mg/L	0.0002	0.0006	0.0001	
	Yearly	Calcium	mg/L	1,090.0	1,390.0	1,020.0	
	Yearly	Chloride	mg/L	8,840.0	8,040.0	9,020.0	
	Yearly	Chromium	mg/L	0.001	0.001	0.001	
	Yearly	Cobalt	mg/L	0.001	0.002	0.001	
	Quarterly	Conductivity	µS/cm	26,867.0	19,954.0	25,201.0	
	Quarterly	Copper	mg/L	0.012	0.036	0.013	
	Yearly	Lead	mg/L	0.001	0.001	0.001	
	Yearly	Magnesium	mg/L	754.0	516.0	678.0	
	Yearly	Molybdenum	mg/L	0.004	0.004	0.002	
	Yearly	Nickel	mg/L	0.002	0.041	0.002	
	Quarterly	pH	pH	7.0	7.59	7.02	
	Yearly	Potassium	mg/L	6.0	7.0	6.0	
	Yearly	Selenium	mg/L	0.01	0.01	0.01	
	Yearly	Sodium	mg/L	4,450.0	3,160.0	3,940.0	
	Quarterly	Standing Water Level	m	10.67	10.56	10.69	
	Yearly	Sulfate	mg/L	2,130.0	2,020.0	1,460.0	
	Yearly	Total dissolved solids	mg/L	20,700.0	18,300.0	21,000.0	
	Yearly	Zinc	mg/L	0.205	0.714	0.155	

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Obtained:	7/04/2025	15/07/2025	26/09/2025	
Published:	17/04/2025	28/07/2025	2/10/2025	

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4 (W34)	Yearly	Aluminum	mg/L	0.02	0.01	0.01	
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	
	Yearly	Barium	mg/L	0.138	0.141	0.127	
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	
	Yearly	Bicarbonate	mg/L	291.0	300.0	346.0	
	Yearly	Cadmium	mg/L	0.0011	0.0011	0.001	
	Yearly	Calcium	mg/L	742.0	491.0	569.0	
	Yearly	Chloride	mg/L	4,920.0	4,980.0	4,840.0	
	Yearly	Chromium	mg/L	0.001	0.001	0.001	
	Yearly	Cobalt	mg/L	0.001	0.001	0.001	
	Quarterly	Conductivity	µS/cm	15,586.0	14,828.0	14,545.0	
	Quarterly	Copper	mg/L	0.028	0.032	0.028	
	Yearly	Lead	mg/L	0.001	0.001	0.001	
	Yearly	Magnesium	mg/L	279.0	321.0	310.0	
	Yearly	Molybdenum	mg/L	0.033	0.01	0.009	
	Yearly	Nickel	mg/L	0.003	0.003	0.002	
	Quarterly	pH	pH	7.0	7.02	6.96	
	Yearly	Potassium	mg/L	15.0	13.0	10.0	
	Yearly	Selenium	mg/L	0.02	0.02	0.02	
	Yearly	Sodium	mg/L	2,370.0	2,460.0	2,460.0	
	Quarterly	Standing Water Level	m	24.87	24.39	24.28	
	Yearly	Sulfate	mg/L	1,260.0	1,100.0	1,240.0	
	Yearly	Total dissolved solids	mg/L	12,000.0	11,000.0	10,700.0	
	Yearly	Zinc	mg/L	0.166	0.087	0.075	

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5 (W25)	Yearly	Aluminum	mg/L	0.01	0.01	0.01	
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	
	Yearly	Barium	mg/L	0.047	0.026	0.018	
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	
	Yearly	Bicarbonate	mg/L	340.0	339.0	377.0	
	Yearly	Cadmium	mg/L	0.0001	0.0001	0.0001	
	Yearly	Calcium	mg/L	214.0	193.0	218.0	
	Yearly	Chloride	mg/L	103.0	72.0	73.0	
	Yearly	Chromium	mg/L	0.001	0.001	0.001	
	Yearly	Cobalt	mg/L	0.001	0.001	0.001	
	Quarterly	Conductivity	µS/cm	2,936.0	2,305.0	2,362.0	
	Quarterly	Copper	mg/L	0.046	0.026	0.024	
	Yearly	Lead	mg/L	0.001	0.001	0.001	
	Yearly	Magnesium	mg/L	143.0	141.0	158.0	
	Yearly	Molybdenum	mg/L	0.001	0.022	0.001	
	Yearly	Nickel	mg/L	0.03	0.02	0.009	
	Quarterly	pH	pH	7.2	7.38	7.63	
	Yearly	Potassium	mg/L	5.0	5.0	4.0	
	Yearly	Selenium	mg/L	0.03	0.03	0.03	
	Yearly	Sodium	mg/L	248.0	235.0	256.0	
	Quarterly	Standing Water Level	m	1.84	1.89	2.06	
	Yearly	Sulfate	mg/L	1,150.0	1,100.0	1,310.0	
	Yearly	Total dissolved solids	mg/L	2,060.0	2,120.0	2,270.0	
	Yearly	Zinc	mg/L	0.099	0.047	0.029	

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EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result			
6 (W20)	Yearly	Aluminum	mg/L	0.03	0.01	0.01	
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	
	Yearly	Barium	mg/L	0.056	0.038	0.018	
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	
	Yearly	Bicarbonate	mg/L	591.0	582.0	555.0	
	Yearly	Cadmium	mg/L	0.0004	0.0003	0.0003	
	Yearly	Calcium	mg/L	350.0	360.0	321.0	
	Yearly	Chloride	mg/L	3,700.0	4,060.0	3,620.0	
	Yearly	Chromium	mg/L	0.001	0.002	0.001	
	Yearly	Cobalt	mg/L	0.002	0.002	0.002	
	Quarterly	Conductivity	µS/cm	12,541.0	12,150.0	11,882.0	
	Quarterly	Copper	mg/L	0.03	0.02	0.008	
	Yearly	Lead	mg/L	0.001	0.001	0.001	
	Yearly	Magnesium	mg/L	319.0	338.0	329.0	
	Yearly	Molybdenum	mg/L	0.006	0.004	0.003	
	Yearly	Nickel	mg/L	0.007	0.011	0.002	
	Quarterly	pH	pH	7.2	7.25	6.82	
	Yearly	Potassium	mg/L	9.0	9.0	8.0	
	Yearly	Selenium	mg/L	0.01	0.01	0.01	
	Yearly	Sodium	mg/L	2,120.0	2,220.0	2,100.0	
	Quarterly	Standing Water Level	m	12.17	12.32	12.1	
	Yearly	Sulfate	mg/L	1,410.0	1,810.0	1,440.0	
	Yearly	Total dissolved solids	mg/L	8,020.0	8,680.0	8,540.0	
	Yearly	Zinc	mg/L	0.122	0.066	0.051	