

3.2.3 ASSESSMENT OF POST MITIGATION SIGNIFICANCE OF IDENTIFIED POTENTIAL IMPACTS - QUANTITATIVE

A. ENVIRONMENTAL ASSESSMENT RELATED TO ANTICIPATED PROSPECTING ACTIVITIES

ACTIVITY		IMPACT					PRE MITIGATION SIGNIFICANCE		MITIGATION	IMPACT POST MITIGATION					POST MITIGATION SIGNIFICANCE		
ACTIVITY	SUB-ACTIVITY	Nature	Intensity	Spatial Scale	Duration	Probability	Quantitative Score	SIGNIFICANCE RATING	Manage, Mitigate, Avoid	Nature	Intensity	Spatial Scale	Duration	Probability	Quantitative Score	P.M. SIGNIFICANCE	
Prospecting Right 983 #20 + 984 #19	SUMMARY OF LIST 1 ACTIVITY	Prospecting Right	-1	3	1	4	7	-56	INSIGNIFICANT MINOR	Manage & Mitigate	-1	2	1	3	7	-42	INSIGNIFICANT NEGLIGIBLE
	Participation in Regulation: DMR Site Visits; Consultation; Logistics	Social Inconvenience Factor	-1	0	1	0	5	-5	INSIGNIFICANT NEGLIGIBLE	Manage & Mitigate	-1	0	1	0	2	-2	NEUTRAL
		Social Inconvenience Factor	-1	0	1	0	5	-5	INSIGNIFICANT NEGLIGIBLE	Manage	-1	0	1	0	2	-2	NEUTRAL
		I&AP Concern: Safety	N/A	N/A	N/A	N/A	N/A	0	Incl. above	N/A	N/A	N/A	N/A	N/A	N/A	0	Incl. above
		I&AP Concern: Access to site by prospectors	N/A	N/A	N/A	N/A	N/A	0	Incl. above	N/A	N/A	N/A	N/A	N/A	N/A	0	Incl. above
		I&AP Concern: Request to be kept informed of Activities on their properties	N/A	N/A	N/A	N/A	N/A	0	Incl. above	N/A	N/A	N/A	N/A	N/A	N/A	0	Incl. above
	Desk-top studies																
	Re-evaluation of Existing Data																
	Geological Mapping	No Impacts	-1	0	1	0	5	-5	INSIGNIFICANT NEGLIGIBLE	Nil Required	-1	0	1	0	3	-3	INSIGNIFICANT NEGLIGIBLE
	Geophysics (other)	No Impacts	-1	0	1	0	5	-5	INSIGNIFICANT NEGLIGIBLE	Nil Required	-1	0	1	0	3	-3	INSIGNIFICANT NEGLIGIBLE
	Soil sampling (loam)	Neutral Impacts	-1	0	1	0	5	-5	INSIGNIFICANT NEGLIGIBLE	Nil Required	-1	0	1	0	3	-3	INSIGNIFICANT NEGLIGIBLE
	Trenching + Bulk sampling - GENERAL	Actual Trenching as part of the Bulk Sampling	-1	2	1	6	7	-63	INSIGNIFICANT MINOR	Manage & Mitigate	-1	1	1	3	7	-35	INSIGNIFICANT NEGLIGIBLE
		Trench/Bulk Sample Placement and number of excavations	-1	2	1	4	7	-49	INSIGNIFICANT MINOR	Manage & Mitigate	-1	1	1	3	7	-35	INSIGNIFICANT NEGLIGIBLE
		Trench/Bulk Sample Footprint and Rehabilitation of Trench / Bulk Sample Footprint	-1	2	1	6	7	-63	INSIGNIFICANT MINOR	Mitigate	-1	2	1	3	7	-42	INSIGNIFICANT MINOR
		Topsoil, Fauna & Flora and Soil Erosion	-1	2	1	3	7	-42	INSIGNIFICANT MINOR	Mitigate	-1	2	1	3	5	-30	INSIGNIFICANT NEGLIGIBLE
		Large Indigenous Trees and protected trees	-1	3	1	1	1	-5	INSIGNIFICANT NEGLIGIBLE	Avoid	-1	3	1	1	1	-5	INSIGNIFICANT NEGLIGIBLE
		Fluids & potential water pollution	-1	1	1	5	4	-28	INSIGNIFICANT NEGLIGIBLE	Mitigate	-1	1	1	5	3	-21	INSIGNIFICANT NEGLIGIBLE
		Oil and Grease Hydrocarbon Storage	-1	2	1	3	6	-36	INSIGNIFICANT MINOR	Manage & Mitigate	-1	1	1	3	5	-25	INSIGNIFICANT NEGLIGIBLE
		Litter, Rubbish & Waste Management	-1	2	1	1	6	-24	INSIGNIFICANT NEGLIGIBLE	Manage & Mitigate	-1	1	1	1	5	-15	INSIGNIFICANT NEGLIGIBLE
		Noise	-1	2	1	1	7	-28	INSIGNIFICANT NEGLIGIBLE	Manage & Mitigate	-1	1	1	1	6	-18	INSIGNIFICANT NEGLIGIBLE
		Dust	-1	2	1	1	7	-28	INSIGNIFICANT NEGLIGIBLE	Manage & Mitigate	-1	1	1	1	6	-18	INSIGNIFICANT NEGLIGIBLE
		Access Roads	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A
		Temporary Access Track	-1	2	1	4	6	-42	INSIGNIFICANT MINOR	Manage, Mitigate or Avoid	-1	1	1	3	6	-30	INSIGNIFICANT NEGLIGIBLE
		Short-term Temporary Offices	-1	1	1	0	7	-14	INSIGNIFICANT NEGLIGIBLE	Manage	-1	1	1	0	7	-14	INSIGNIFICANT NEGLIGIBLE
		Short-term Temporary Accommodation	-1	1	1	1	5	-15	INSIGNIFICANT NEGLIGIBLE	Mitigation	-1	1	1	1	3	-9	INSIGNIFICANT NEGLIGIBLE
		Short-term Temporary Ablutions	-1	1	1	1	7	-21	INSIGNIFICANT NEGLIGIBLE	Manage	-1	1	1	1	4	-12	INSIGNIFICANT NEGLIGIBLE
		Short-term Temporary Sample Processing Plant	-1	1	1	6	7	-56	INSIGNIFICANT MINOR	Manage	-1	1	1	4	7	-42	INSIGNIFICANT MINOR
		Fires	-1	2	1	4	4	-28	INSIGNIFICANT NEGLIGIBLE	Manage & Mitigation	-1	1	1	1	4	-12	INSIGNIFICANT NEGLIGIBLE
		Potable Water for staff	N/A	N/A	N/A	N/A	N/A	0	NEUTRAL	N/A	N/A	N/A	N/A	N/A	N/A	0	NEUTRAL
		Visual Impact	-1	1	1	1	7	-21	INSIGNIFICANT NEGLIGIBLE	Mitigate	-1	1	1	1	7	-21	INSIGNIFICANT NEGLIGIBLE
I&AP Concern: Visual Appearance		N/A	N/A	N/A	N/A	N/A	0	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	0	Incl. above
I&AP Concern: Other: contractors on site, number of employees, waste material, sewerage, fires, access to property and roads, sludge dams, safety precautions, fencing.	N/A	N/A	N/A	N/A	N/A	0	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	0	Incl. above	
Trenching + Bulk sampling - GENERAL	Water for bulk sampling & the processing plant	-1	3	1	3	7	-49	INSIGNIFICANT NEGLIGIBLE	Manage & Mitigate	-1	3	1	3	4	-28	INSIGNIFICANT NEGLIGIBLE	
	I&AP Concern: Nil																
Closure	Closure Reports & processing by Competent Authorities	1	2	1	1	7	28	INSIGNIFICANT - NEGLIGIBLE +TIVE	No additional Mitigation required	1	2	1	1	7	28	INSIGNIFICANT - NEGLIGIBLE +TIVE	
	I&AP Concern: Nil																

B. ENVIRONMENTAL ASSESSMENT RELATED TO RELEVANT ANTICIPATED ENVIRONMENTAL ATTRIBUTES

ENVIRONMENTAL ATTRIBUTE GROUP	Environmental Attribute	IMPACT					PRE MITIGATION SIGNIFICANCE		MITIGATION	IMPACT POST MITIGATION					POST MITIGATION SIGNIFICANCE	
		Nature	Intensity	Spatial Scale	Duration	Probability	Quantitative Score	SIGNIFICANCE RATING		Nature	Intensity	Spatial Scale	Duration	Probability	P.M. SIGNIFICANCE RATING	P.M. SIGNIFICANCE
	Watercourses / Pans	-1	1	1	1	4	-12	INSIGNIFICANT NEGLIGIBLE	Avoid	-1	0	1	0	2	-2	NEUTRAL

