



IMPACT ASSESSMENT MATRIC FOR MOTUOANE EXPLORATION RIGHT 386 - EIA 12/3/386

Identifier	Discipline	Impact	Alternative	Phase	Event	Pre-Nature	Pre-Extent	Pre-Duration	Pre-Magnitude	Pre-Reversibility	Consequence	Pre-Probability	Pre-Mitigation Significance Score	Pre-Mitigation Significance	Post-Nature	Post-Extent	Post-Duration	Post-Magnitude	Post-Reversibility	Consequence2	Post-Probability	Post-mitigation Significance Score	Post-Mitigation Significance	Confidence	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score	Final Significance
1.1	All	Interference with Existing Land Uses (Damage / Disruption of activities / services / infrastructure)	Drilling / Survey	Planning	Normal operations or events	-1	2	2	2	3	-2,25	3	-6,75	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Medium	2	2	1,25	-5,00	Medium to low -
1.2	All		Drilling / Survey	Planning	Normal operations or events	-1	2	2	2	3	-2,25	3	-6,75	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Medium	2	2	1,25	-5,00	Medium to low -
1.3	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	2	3	-2,25	3	-6,75	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Medium	2	2	1,25	-5,00	Medium to low -
1.4	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	2	3	-2,25	3	-6,75	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Medium	2	2	1,25	-5,00	Medium to low -
1.5	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	2	2	3	-2,25	3	-6,75	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Medium	2	2	1,25	-5,00	Medium to low -
1.6	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	1	1	2	2	-1,5	2	-3	Low -	Medium	1	1	1,00	-3,00	Low -
1.7	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	1	1	1	2	-1,25	2	-2,5	Low -	Medium	1	1	1,00	-2,50	Low -
1.8	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
2.1	All	Overlapping land use with renewable energy projects	Drilling / Survey	Planning	Normal operations or events	-1	3	2	2	1	-2	4	-8	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	2	1	1,13	-3,38	Low -
2.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	2	1	-2	4	-8	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Medium	1	1	1,00	-4,00	Low -
2.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	2	1	-2	4	-8	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Medium	1	1	1,00	-4,00	Low -
2.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	3	2	2	1	-2	4	-8	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Medium	1	1	1,00	-4,00	Low -
2.5	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	3	2	2	1	-2	3	-6	Medium to low -	-1	1	1	2	2	-1,5	2	-3	Low -	Medium	1	1	1,00	-3,00	Low -
2.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	3	2	2	1	-2	3	-6	Medium to low -	-1	1	1	1	2	-1,25	2	-2,5	Low -	Medium	1	1	1,00	-2,50	Low -
2.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	3	2	2	1	-2	2	-4	Low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	1	1,13	-3,94	Low -
3.1	All	Soils and Agricultural Potential Soil erosion and sedimentation Loss of land capability Loss of cultivated lands	Drilling / Survey	Planning	Normal operations or events	-1	2	1	2	1	-1,5	4	-6	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	2	1	1,13	-3,38	Low -
3.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	4	-9	Medium to high -	-1	2	2	3	2	-2,25	2	-4,5	Medium to low -	Medium	2	1	1,13	-5,06	Medium to low -
3.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	4	-9	Medium to high -	-1	2	2	3	2	-2,25	2	-4,5	Medium to low -	Medium	2	1	1,13	-5,06	Medium to low -
3.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	4	-9	Medium to high -	-1	2	2	3	2	-2,25	2	-4,5	Medium to low -	Medium	2	1	1,13	-5,06	Medium to low -
3.5	Drilling		Rotary-Percussion Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	4	4	-3,25	3	-9,75	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
3.6	Drilling		Percussion Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	4	4	-3,25	3	-9,75	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
3.7	Drilling		Diamond Core Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	4	4	-3,25	3	-9,75	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
3.8	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	1	1	2	2	-1,5	2	-3	Low -	Medium	1	1	1,00	-3,00	Low -
3.9	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	1	1	1	2	-1,25	2	-2,5	Low -	Medium	1	1	1,00	-2,50	Low -
3.10	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	1	1,13	-3,94	Low -
4.1	All	Landownership and displacement of landowners and livestock	Drilling / Survey	Planning	Normal operations or events	-1	2	2	2	2	-2	3	-6	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Medium	1	1	1,00	-4,00	Low -
4.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	3	-6,75	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	1	1,13	-3,94	Low -
4.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	3	-6,75	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	1	1,13	-3,94	Low -
4.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	3	-6,75	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	1	1,13	-3,94	Low -
4.5	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	1	1	2	2	-1,5	2	-3	Low -	Low	1	1	1,00	-3,00	Low -
4.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	1	1	1	2	-1,25	2	-2,5	Low -	Low	1	1	1,00	-2,50	Low -
4.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	2	1,13	-3,94	Low -
5.1	All	Gas Emissions	Drilling / Survey	Planning	Normal operations or events	-1	2	1	2	2	-1,75	4	-7	Medium to low -	-1	2	1	2	1	-1,5	3	-4,5	Medium to low -	High	1	1	1,00	-4,50	Medium to low -
5.3	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	2	2	-2	4	-8	Medium to low -	-1	2	2	2	3	-2,25	2	-4,5	Medium to low -	Low	2	2	1,25	-5,625	Medium to low -
5.4	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	2	2	-2	4	-8	Medium to low -	-1	2	2	2	3	-2,25	2	-4,5	Medium to low -	Low	2	2	1,25	-5,625	Medium to low -
5.5	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	2	2	2	-2	4	-8	Medium to low -	-1	2	2	2	3	-2,25	2	-4,5	Medium to low -	Low	2	2	1,25	-5,625	Medium to low -



Identifier	Discipline	Impact	Alternative	Phase	Event	Pre-Mitigation Significance Score							Pre-Mitigation Significance	Post-Mitigation Significance Score							Post-Mitigation Significance	Confidence	Cumulative impact			Priority Factor	Final score	Final Significance	
						Pre-Nature	Pre-Extent	Pre-Duration	Pre-Magnitude	Pre-Reversibility	Consequence	Pre-Probability		Post-Nature	Post-Extent	Post-Duration	Post-Magnitude	Post-Reversibility	Consequence2	Post-Probability			Cumulative impact	Irreplaceable loss					
5.6	Drilling	Ambient Air quality / Greenhouse	Rotary-Percussion Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	4	4	-3,25	3	-9,75	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
5.7	Drilling		Percussion Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	4	4	-3,25	3	-9,75	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
5.8	Drilling		Diamond Core Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	4	4	-3,25	3	-9,75	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
5.9	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	1	1	1	-3	Low -
5.10	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	1	1	1	-3	Low -
5.13	Drilling		Drilling	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	2	2	3	-2,25	3	-6,75	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Low	1	1	1	-4	Low -
5.15	Survey		Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	1	-1,5	3	-4,5	Medium to low -	-1	1	1	2	1	-1,25	2	-2,5	Low -	Medium	1	1	1	-2,5	Low -
6.1	All	Safety and security (Health and Safety of the Community)	Drilling / Survey	Planning	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	High	1	1	1,00	-3,00	Low -
6.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	3	-8,25	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Low	1	1	1,00	-4,00	Low -
6.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	3	-8,25	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Low	1	1	1,00	-4,00	Low -
6.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	3	-8,25	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Low	1	1	1,00	-4,00	Low -
6.5	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	1	1	1,00	-3,00	Low -
6.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	1	1	1,00	-3,00	Low -
6.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
7.1	All	Increase in noise levels (daytime)	Drilling	Planning	Normal operations or events	-1	2	1	4	2	-2,25	4	-9	Medium to high -	-1	2	1	3	1	-1,75	3	-5,3	Medium to low -	Medium	1	1	1,00	-5,25	Medium to low -
7.2	All		Survey	Planning	Normal operations or events	-1	2	1	4	2	-2,25	3	-6,75	Medium to low -	-1	2	1	2	1	-1,5	3	-4,5	Medium to low -	Medium	1	1	1,00	-4,50	Medium to low -
7.3	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	3	-2,5	4	-10	Medium to high -	-1	2	1	2	2	-1,75	3	-5,3	Medium to low -	Low	1	1	1,00	-5,25	Medium to low -
7.4	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	4	3	-2,75	4	-11	Medium to high -	-1	2	1	3	2	-2	3	-6	Medium to low -	Low	1	1	1,00	-6,00	Medium to low -
7.5	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	3	-2,5	4	-10	Medium to high -	-1	2	1	2	2	-1,75	3	-5,3	Medium to low -	Low	1	1	1,00	-5,25	Medium to low -
7.9	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	1	2	1	-1,5	4	-6	Medium to low -	-1	2	1	2	1	-1,5	3	-4,5	Medium to low -	Medium	1	1	1,00	-4,50	Medium to low -
7.10	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	2	1	-1,5	4	-6	Medium to low -	-1	2	1	1	1	-1,25	3	-3,8	Low -	Medium	1	1	1,00	-3,75	Low -
7.13	All	Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	1	-1,5	3	-4,5	Medium to low -	-1	2	1	1	1	-1,25	2	-2,5	Low -	Medium	1	1	1,00	-2,50	Low -	
8.1	All	Climate Change Impacts Emanating from the Project The project would release GHG emissions into the atmosphere during the exploration activities. Increased heat extremes may result in occupational health and operational risks on the project. These risks are driven by higher ambient temperatures which can lead to heat-related illnesses	Drilling / Survey	Planning	Normal operations or events	-1	2	1	2	2	-1,75	4	-7	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	High	1	1	1,00	-3,00	Low -
8.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	2	2	-2	4	-8	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	2	1	1,13	-3,94	Low -
8.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	2	2	-2	4	-8	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	2	1	1,13	-3,94	Low -
8.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	2	2	2	-2	4	-8	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	2	1	1,13	-3,94	Low -
8.5	Drilling		Rotary-Percussion Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	4	4	-3,25	3	-9,75	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
8.6	Drilling		Percussion Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	4	4	-3,25	3	-9,75	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
8.7	Drilling		Diamond Core Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	4	4	-3,25	3	-9,75	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
8.8	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	1	1	1,00	-3,00	Low -
8.9	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	1	1	1,00	-3,00	Low -
8.10	All		Drilling	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	2	2	3	-2,25	3	-6,75	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Low	1	1	1,00	-4,00	Low -
9.1	All	Emission and Impact on Sense of Place	Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	1	-1,5	3	-4,5	Medium to low -	-1	1	1	2	1	-1,25	2	-2,5	Low -	Medium	1	1	1,00	-2,50	Low -
9.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	3	-2,5	3	-7,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	1	1,00	-3,50	Low -
9.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	3	-2,5	3	-7,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	1	1,00	-3,50	Low -
9.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	2	4	3	-2,75	3	-8,25	Medium to low -	-1	2	1	3	2	-2	2	-4	Low -	Low	1	1	1,00	-4,00	Low -
9.5	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	1	2	1	-1,5	4	-6	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
9.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	2	1	-1,5	4	-6	Medium to low -	-1	2	1	1	2	-1,5	2	-3	Low -	Medium	1	1	1,00	-3,00	Low -



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9.7	All	Nu	Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	1	-1,5	3	-4,5	Medium to low -	-1	2	1	1	1	-1,25	2	-2,5	Low -	Medium	1	1	1,00	-2,50	Low -
10.1	All	Groundwater deterioration and siltation due to contaminated stormwater run-off from the construction area as well as drilling pads.	Drilling / Survey	Planning	Normal operations or events	-1	3	2	3	2	-2,5	4	-10	Medium to high -	-1	2	1	2	2	-1,75	3	-5,3	Medium to low -	Medium	2	2	1,25	-6,56	Medium to low -
10.2	All	Poor quality leachate may emanate from the construction camp which may have a negative impact on groundwater quality.	Drilling / Survey	Planning	Normal operations or events	-1	2	3	3	3	-2,75	4	-11	Medium to high -	-1	1	1	2	2	-1,5	3	-4,5	Medium to low -	Medium	2	2	1,25	-5,63	Medium to low -
10.3	All	Mobilisation and maintenance of heavy vehicles, drilling rig as well as associated machinery on-site may cause hydrocarbon contamination of groundwater resources.	Drilling / Survey	Planning	Normal operations or events	-1	3	4	4	4	-3,75	4	-15	High -	-1	2	2	2	3	-2,25	3	-6,8	Medium to low -	Medium	2	2	1,25	-8,44	Medium to low -
10.4	All	Poor storage and management of hazardous chemical substances on-site may cause groundwater pollution.	Drilling / Survey	Planning	Normal operations or events	-1	4	3	4	4	-3,75	4	-15	High -	-1	2	2	2	3	-2,25	3	-6,8	Medium to low -	Medium	2	3	1,38	-9,28	Medium to high -
10.5	All	Migration of saline groundwater from the deep, fractured aquifer to the overlying, potable aquifer(s) during the gas exploration phase.	Drilling / Survey	Construction / Operational	Normal operations or events	-1	3	4	4	5	-4	4	-16	High -	-1	2	3	3	4	-3	2	-6	Medium to low -	Low	2	3	1,38	-8,25	Medium to low -
10.6	All	Migration of stray gas from the deep, fractured aquifer to the overlying, potable aquifer(s) during the gas exploration phase.	Drilling / Survey	Construction / Operational	Normal operations or events	-1	3	4	4	5	-4	4	-16	High -	-1	2	3	3	4	-3	2	-6	Medium to low -	Low	2	3	1,38	-8,25	Medium to low -
10.7	All	Groundwater pollution as a result of wastewater spills and seepage from drilling sumps.	Drilling / Survey	Construction / Operational	Normal operations or events	-1	2	3	3	4	-3	4	-12	Medium to high -	-1	1	2	2	3	-2	3	-6	Medium to low -	Low	2	2	1,25	-7,50	Medium to low -
10.8	All	Poor quality leachate may emanate from the workshop and/or drilling pad footprint areas which may have a negative impact on groundwater quality.	Drilling / Survey	Construction / Operational	Normal operations or events	-1	2	3	3	4	-3	4	-12	Medium to high -	-1	1	2	2	3	-2	3	-6	Medium to low -	Low	2	2	1,25	-7,50	Medium to low -



Identifier	Discipline	Impact	Alternative	Phase	Event	Pre-Nature	Pre-Extent	Pre-Duration	Pre-Magnitude	Pre-Reversibility	Consequence	Pre-Probability	Pre-Mitigation Significance Score	Pre-Mitigation Significance	Post-Nature	Post-Extent	Post-Duration	Post-Magnitude	Post-Reversibility	Consequence2	Post-Probability	Post-mitigation Significance Score	Post-Mitigation Significance	Confidence	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score	Final Significance
10.9	All	Operation and maintenance of heavy vehicles, drilling rig as well as associated machinery on-site may cause hydrocarbon contamination of groundwater resources.	Drilling / Survey	Construction / Operational	Normal operations or events	-1	2	3	3	4	-3	4	-12	Medium to high -	-1	1	2	2	3	-2	3	-6	Medium to low -	Medium	2	2	1,25	-7,50	Medium to low -
10.10	All	Poor storage and management of hazardous chemical substances on-site may cause surface water and groundwater pollution.	Drilling / Survey	Construction / Operational	Normal operations or events	-1	3	3	3	4	-3,25	4	-13	Medium to high -	-1	2	2	2	3	-2,25	3	-6,8	Medium to low -	Medium	2	2	1,25	-8,44	Medium to low -
10.11	All	Poor storage and management of hazardous chemical substances on-site may cause groundwater pollution.	Drilling / Survey	Construction / Operational	Normal operations or events	-1	2	3	3	4	-3	4	-12	Medium to high -	-1	1	2	2	3	-2	3	-6	Medium to low -	Medium	2	2	1,25	-7,50	Medium to low -
10.12	All	Groundwater pollution as a result of contact with drilling fluids, additives and lubricants.	Drilling / Survey	Construction / Operational	Normal operations or events	-1	2	4	4	5	-3,75	4	-15	High -	-1	1	3	3	4	-2,75	2	-5,5	Medium to low -	Medium	2	3	1,38	-7,56	Medium to low -
10.13	All	Groundwater pollution as a result of unforeseen events such as saline water encountered during well blow-out.	Drilling / Survey	Construction / Operational	Normal operations or events	-1	2	3	3	5	-3,25	4	-13	Medium to high -	-1	1	2	3	4	-2,5	2	-5	Medium to low -	Low	2	3	1,38	-6,88	Medium to low -
10.14	All	Migration of saline groundwater from the deep, fractured aquifer to the overlying, potable aquifer(s) during the borehole closure and decommissioning phase.	Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	3	4	4	5	-4	4	-16	High -	-1	2	3	3	4	-3	2	-6	Medium to low -	Low	2	3	1,38	-8,25	Medium to low -
10.15	All	Migration of stray gas from the deep, fractured aquifer to the overlying, potable aquifer(s) borehole closure and decommissioning phase.	Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	3	4	4	5	-4	4	-16	High -	-1	2	3	3	4	-3	2	-6	Medium to low -	Medium	2	3	1,38	-8,25	Medium to low -
10.16	All	Poor quality leachate may emanate from the workshop and/or drilling pad footprint areas which may have a negative impact on groundwater quality.	Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	3	1	4	-2,5	4	-10	Medium to high -	-1	1	2	1	3	-1,75	3	-5,3	Medium to low -	Medium	2	2	1,25	-6,56	Medium to low -
11.1	All	Quality and Quantity of sedimentation from exposed compaction and creation of ruts leading to erosion and sedimentation. Increased runoff (accidental machinery and equipment) and from improper post-stabilisation.	Drilling / Survey	Planning	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	High	1	1	1,00	-3,00	Low -
11.2	Drilling		Rotary-Per percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	3	-8,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	2	1,13	-3,94	Low -
11.3	Drilling		Per percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	3	-8,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	2	1,13	-3,94	Low -
11.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	3	-8,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	2	1,13	-3,94	Low -
11.5	Drilling		Rotary-Per percussion Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	5	4	-3,5	3	-10,5	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -



Identifier	Discipline	Impact	Alternative	Phase	Event	Pre-Nature	Pre-Extent	Pre-Duration	Pre-Magnitude	Pre-Reversibility	Consequence	Pre-Probability	Pre-Mitigation Significance Score	Pre-Mitigation Significance	Post-Nature	Post-Extent	Post-Duration	Post-Magnitude	Post-Reversibility	Consequence2	Post-Probability	Post-mitigation Significance Score	Post-Mitigation Significance	Confidence	Cumulative impact	Irreplaceable loss	Priority Factor	Final score	Final Significance
11.6	Drilling	Impact on Surface water Increased runoff, erosion and sediment areas Altered surface flows from soil C preferential flow paths leached sediments Impaired water quality from contaminated chemical and oil spills from m Continued degradation of well exploration re	Percussion Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	5	4	-3,5	3	-10,5	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
11.7	Drilling		Diamond Core Drilling	Construction / Operational	Abnormal or unplanned events	-1	3	2	5	4	-3,5	3	-10,5	Medium to high -	-1	2	2	3	3	-2,5	2	-5	Medium to low -	Low	2	2	1,25	-6,25	Medium to low -
11.8	Survey		Vibroiseis Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	1	2	1,13	-3,38	Low -
11.9	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	1	-1,5	2	-3	Low -	Medium	1	2	1,13	-3,38	Low -
11.10	Drilling		Drilling	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	2	2	3	-2,25	3	-6,75	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	Low	1	1	1,00	-4,00	Low -
11.11	Survey		Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	1	-1,5	3	-4,5	Medium to low -	-1	1	1	2	1	-1,25	2	-2,5	Low -	Medium	1	1	1,00	-2,50	Low -
12.1	All	Impacts on natural habitat Destruction, further loss and fragmentation of the vegetation community	Drilling / Survey	Planning	Normal operations or events	-1	2	2	4	3	-2,75	5	-13,75	Medium to high -	-1	2	1	2	2	-1,75	4	-7	Medium to low -	Medium	2	2	1,25	-8,75	Medium to high -
12.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	2	1,25	-4,38	Medium to low -
12.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	2	1,25	-4,38	Medium to low -
12.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	2	1,25	-4,38	Medium to low -
12.5	Survey		Vibroiseis Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	2	1,25	-4,38	Medium to low -
12.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	2	1,25	-4,38	Medium to low -
12.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
13.1	All	Introduction of alien species, especially plants	Drilling / Survey	Planning	Normal operations or events	-1	2	2	3	3	-2,5	4	-10	Medium to high -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	2	1,13	-3,94	Low -
13.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	4	-9	Medium to high -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	2	1,13	-3,94	Low -
13.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	4	-9	Medium to high -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	2	1,13	-3,94	Low -
13.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	4	-9	Medium to high -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	2	1,13	-3,94	Low -
13.5	Survey		Vibroiseis Survey	Construction / Operational	Normal operations or events	-1	2	1	4	2	-2,25	5	-11,25	Medium to high -	-1	2	1	3	2	-2	3	-6	Medium to low -	Low	2	2	1,25	-7,50	Medium to low -
13.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	1	3	2	-2	5	-10	Medium to high -	-1	2	1	2	2	-1,75	3	-5,3	Medium to low -	Low	2	2	1,25	-6,56	Medium to low -
13.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	2	-1,75	3	-5,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Low	1	1	1,00	-3,50	Low -
14.1	All	Impacts on Vegetation and Flora species Destruction, further loss and fragmentation of the vegetation community Displacement of faunal community (including SSCs) due to habitat loss, direct mortalities and disturbance Potential leaks, discharges, pollutant from machinery and storage leaching into the surrounding environment	Drilling / Survey	Planning	Normal operations or events	-1	3	2	4	5	-3,5	4	-14	High -	-1	2	1	2	5	-2,5	3	-7,5	Medium to low -	Medium	1	2	1,13	-8,44	Medium to low -
14.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	4	5	-3,5	4	-14	High -	-1	2	1	2	5	-2,5	3	-7,5	Medium to low -	Medium	1	2	1,13	-8,44	Medium to low -
14.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	4	5	-3,5	4	-14	High -	-1	2	1	2	5	-2,5	3	-7,5	Medium to low -	Medium	1	2	1,13	-8,44	Medium to low -
14.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	3	2	4	5	-3,5	4	-14	High -	-1	2	1	2	5	-2,5	3	-7,5	Medium to low -	Medium	1	2	1,13	-8,44	Medium to low -
14.5	Survey		Vibroiseis Survey	Construction / Operational	Normal operations or events	-1	3	2	4	5	-3,5	4	-14	High -	-1	2	1	2	5	-2,5	3	-7,5	Medium to low -	Medium	1	2	1,13	-8,44	Medium to low -
14.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	3	2	4	5	-3,5	4	-14	High -	-1	2	1	2	5	-2,5	3	-7,5	Medium to low -	Medium	1	2	1,13	-8,44	Medium to low -
14.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	5	-2,5	3	-7,5	Medium to low -	-1	2	1	2	5	-2,5	2	-5	Medium to low -	Medium	1	1	1,00	-5,00	Medium to low -
15.1	All	Impacts on Fauna Species	Drilling / Survey	Planning	Normal operations or events	-1	2	2	4	3	-2,75	4	-11	Medium to high -	-1	2	1	2	2	-1,75	5	-8,8	Medium to high -	Medium	2	2	1,25	-10,94	Medium to high -
15.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	4	3	-2,75	4	-11	Medium to high -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	2	1,13	-3,94	Low -
15.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	2	4	3	-2,75	4	-11	Medium to high -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	2	1,13	-3,94	Low -
15.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	2	4	3	-2,75	4	-11	Medium to high -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	2	1,13	-3,94	Low -
15.5	Survey		Vibroiseis Survey	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	4	-9	Medium to high -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	2	1,13	-3,94	Low -
15.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	2	3	2	-2,25	4	-9	Medium to high -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	2	1,13	-3,94	Low -
15.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	2	-1,75	4	-7	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
16.1	All	of disturbance of artefacts older than 60 years or disturbance of field graves	Drilling / Survey	Planning	Normal operations or events	-1	2	5	3	5	-3,75	2	-7,5	Medium to low -	-1	2	2	2	5	-2,75	1	-2,8	Low -	Medium	2	3	1,38	-3,78	Low -
16.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	2	-7,5	Medium to low -	-1	2	2	2	5	-2,75	1	-2,8	Low -	Medium	2	3	1,38	-3,78	Low -
16.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	2	-7,5	Medium to low -	-1	2	2	2	5	-2,75	1	-2,8	Low -	Medium	2	3	1,38	-3,78	Low -
16.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	2	-7,5	Medium to low -	-1	2	2	2	5	-2,75	1	-2,8	Low -	Medium	2	3	1,38	-3,78	Low -



Identifier	Discipline	Impact	Alternative	Phase	Event	Pre-Nature	Pre-Extent	Pre-Duration	Pre-Magnitude	Pre-Reversibility	Consequence	Pre-Probability	Pre-Mitigation Significance Score	Pre-Mitigation Significance	Post-Nature	Post-Extent	Post-Duration	Post-Magnitude	Post-Reversibility	Consequence2	Post-Probability	Post-mitigation Significance Score	Post-Mitigation Significance	Confidence	Cumulative impact	Irreplaceable loss	Priority Factor	Final score	Final Significance
16.5	Survey	Destruction of structures and e Destruction identi	Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	3	-11,25	Medium to high -	-1	2	2	2	5	-2,75	2	-5,5	Medium to low -	Medium	2	3	1,38	-7,56	Medium to low -
16.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	3	-11,25	Medium to high -	-1	2	2	2	5	-2,75	2	-5,5	Medium to low -	Medium	2	3	1,38	-7,56	Medium to low -
16.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	5	3	5	-3,75	2	-7,5	Medium to low -	-1	2	2	2	5	-2,75	1	-2,8	Low -	Medium	1	3	1,25	-3,44	Low -
17.1	All	Destruction or disturbance of undiscovered below-ground heritage features	Drilling / Survey	Planning	Normal operations or events	-1	2	5	3	5	-3,75	3	-11,25	Medium to high -	-1	2	2	2	5	-2,75	2	-5,5	Medium to low -	Medium	1	2	1,13	-6,19	Medium to low -
17.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	3	-11,25	Medium to high -	-1	2	2	2	5	-2,75	2	-5,5	Medium to low -	Medium	1	2	1,13	-6,19	Medium to low -
17.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	3	-11,25	Medium to high -	-1	2	2	2	5	-2,75	2	-5,5	Medium to low -	Medium	1	2	1,13	-6,19	Medium to low -
17.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	3	-11,25	Medium to high -	-1	2	2	2	5	-2,75	2	-5,5	Medium to low -	Medium	1	2	1,13	-6,19	Medium to low -
17.5	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	3	-11,25	Medium to high -	-1	2	2	2	5	-2,75	2	-5,5	Medium to low -	Medium	1	2	1,13	-6,19	Medium to low -
17.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	2	5	3	5	-3,75	3	-11,25	Medium to high -	-1	2	2	2	5	-2,75	2	-5,5	Medium to low -	Medium	1	2	1,13	-6,19	Medium to low -
17.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	5	3	5	-3,75	2	-7,5	Medium to low -	-1	2	2	2	5	-2,75	1	-2,8	Low -	Medium	1	2	1,13	-3,09	Low -
18.1	All	Disturbance / Destruction of Palaeontological Features	Drilling / Survey	Planning	Normal operations or events	-1	3	5	3	5	-4	2	-8	Medium to low -	-1	2	3	2	5	-3	1	-3	Low -	Medium	2	2	1,25	-3,75	Low -
18.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	4	5	3	5	-4,25	2	-8,5	Medium to low -	-1	2	4	2	5	-3,25	1	-3,3	Low -	Medium	1	2	1,13	-3,66	Low -
18.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	4	5	3	5	-4,25	2	-8,5	Medium to low -	-1	2	4	2	5	-3,25	1	-3,3	Low -	Medium	1	2	1,13	-3,66	Low -
18.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	4	5	3	5	-4,25	2	-8,5	Medium to low -	-1	2	4	2	5	-3,25	1	-3,3	Low -	Medium	1	2	1,13	-3,66	Low -
18.5	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	4	4	2	5	-3,75	2	-7,5	Medium to low -	-1	2	4	2	5	-3,25	1	-3,3	Low -	Medium	1	2	1,13	-3,66	Low -
18.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	4	4	2	5	-3,75	2	-7,5	Medium to low -	-1	2	4	2	5	-3,25	1	-3,3	Low -	Medium	1	2	1,13	-3,66	Low -
18.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	4	5	3	5	-4,25	2	-8,5	Medium to low -	-1	2	4	2	5	-3,25	1	-3,3	Low -	Medium	1	2	1,13	-3,66	Low -
19.1	All	Impacts on Traffic and road infrastructure	Drilling / Survey	Planning	Normal operations or events	-1	3	2	3	3	-2,75	3	-8,25	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
19.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	2	-5,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
19.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	2	-5,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
19.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	2	-5,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
19.5	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	2	-5,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
19.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	3	2	3	3	-2,75	2	-5,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
19.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	3	2	3	3	-2,75	2	-5,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	1	1	1,00	-3,50	Low -
20.1	All	Gender and social inclusion impacts	Drilling / Survey	Planning	Normal operations or events	-1	4	1	3	2	-2,5	3	-7,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	Medium	2	1	1,13	-3,94	Low -
20.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	-1	4	1	4	2	-2,75	2	-5,5	Medium to low -	-1	2	1	1	2	-1,5	2	-3	Low -	Medium	3	1	1,25	-3,75	Low -
20.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	-1	4	1	4	2	-2,75	2	-5,5	Medium to low -	-1	2	1	1	2	-1,5	2	-3	Low -	Medium	3	1	1,25	-3,75	Low -
20.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	-1	4	1	4	2	-2,75	2	-5,5	Medium to low -	-1	2	1	1	2	-1,5	2	-3	Low -	Medium	3	1	1,25	-3,75	Low -
20.5	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	-1	4	1	4	2	-2,75	2	-5,5	Medium to low -	-1	2	1	1	2	-1,5	2	-3	Low -	Medium	3	1	1,25	-3,75	Low -
20.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	-1	4	1	4	2	-2,75	2	-5,5	Medium to low -	-1	2	1	1	2	-1,5	2	-3	Low -	Medium	3	1	1,25	-3,75	Low -
20.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	4	1	4	2	-2,75	2	-5,5	Medium to low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	High	2	1	1,13	-3,94	Low -
21.1	All	Upliftment of Communities / Employment Opportunities	Drilling / Survey	Planning	Normal operations or events	1	3	1	3	2	2,25	3	6,75	Low to medium +	1	3	1	3	2	2,25	3	6,75	Low to medium +	Medium	3	1	1,25	8,44	Medium to low +
21.2	Drilling		Rotary-Percussion Drilling	Construction / Operational	Normal operations or events	1	2	1	2	2	1,75	2	3,5	Low +	1	2	1	1	2	1,5	2	3	Low +	Medium	3	1	1,25	3,75	Low +
21.3	Drilling		Percussion Drilling	Construction / Operational	Normal operations or events	1	2	1	2	2	1,75	2	3,5	Low +	1	2	1	1	2	1,5	2	3	Low +	Medium	3	1	1,25	3,75	Low +
21.4	Drilling		Diamond Core Drilling	Construction / Operational	Normal operations or events	1	2	1	2	2	1,75	2	3,5	Low +	1	2	1	1	2	1,5	2	3	Low +	Medium	3	1	1,25	3,75	Low +
21.5	Survey		Vibroseis Survey	Construction / Operational	Normal operations or events	1	2	1	2	2	1,75	2	3,5	Low +	1	2	1	1	2	1,5	2	3	Low +	Medium	3	1	1,25	3,75	Low +
21.6	Survey		AWD / MT Survey	Construction / Operational	Normal operations or events	1	2	1	2	2	1,75	2	3,5	Low +	1	2	1	1	2	1,5	2	3	Low +	Medium	3	1	1,25	3,75	Low +
21.7	All		Drilling / Survey	Decommissioning / Closure & Rehab	Normal operations or events	-1	2	1	2	2	-1,75	2	-3,5	Low -	-1	2	1	2	2	-1,75	2	-3,5	Low -	High	2	1	1,13	-3,94	Low -