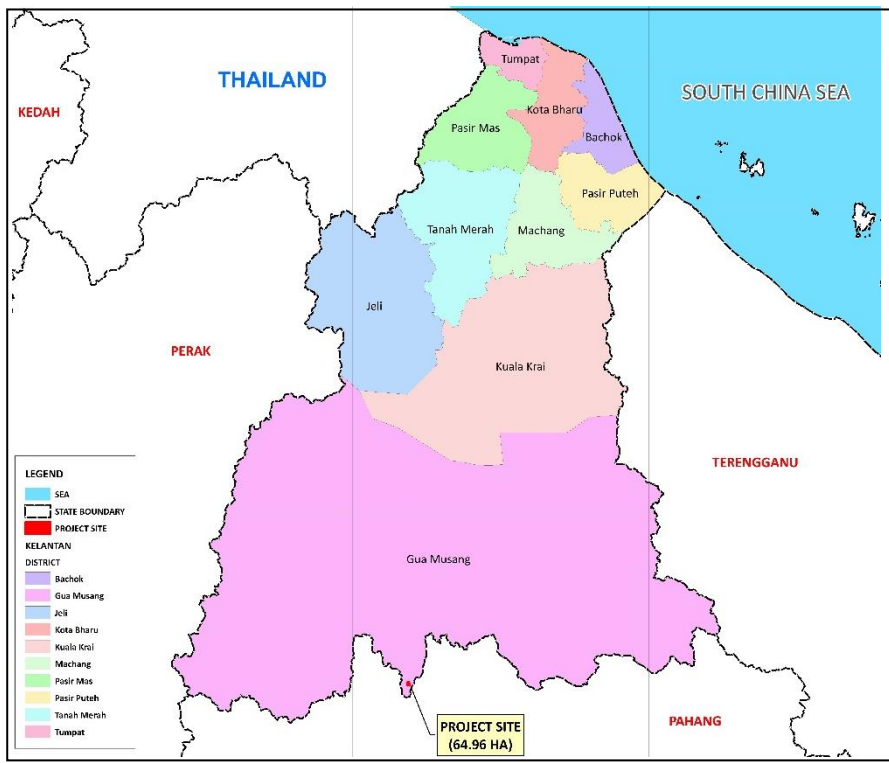
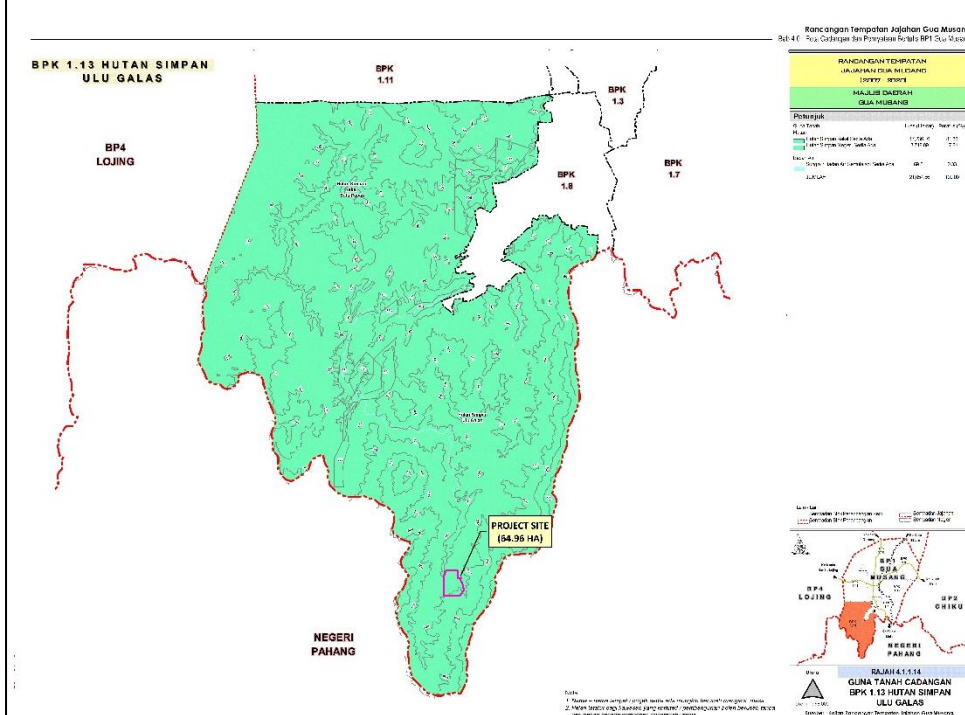



	ENVIRONMENTAL IMPACT ASSESSMENT (EIA) (SECOND SCHEDULE)	REV:00
	ENVIRONMENTAL IMPACT ASSESSMENT FOR "PROPOSED IRON ORE MINING ON ML 3/2021 LOT 12186 WITH AN AREA OF 64.96 HA, HUTAN SIMPAN KEKAL ULU GALAS, MUKIM PULAI, DAERAH GALAS, JAJAHAN GUA MUSANG, KELANTAN DARUL NAIM" - SCHEDULE II	

EXECUTIVE SUMMARY

1.0 INTRODUCTION

<p>Project Title:</p> <p>"PROPOSED IRON ORE MINING ON ML 3/2021 LOT 12186 WITH AN AREA OF 64.96 HA, HUTAN SIMPAN KEKAL ULU GALAS, MUKIM PULAI, DAERAH GALAS, JAJAHAN GUA MUSANG, KELANTAN DARUL NAIM - SCHEDULE 2"</p>	<p>Project Operation:</p> <p>Iron Ore Mining Project</p> <p>Location:</p> <p>Lot 12186, Hutan Simpan Kekal Ulu Galas, Mukim Pulai, Daerah Galas, Jajahan Gua Musang, Kelantan</p> <p>Project size:</p> <p>64.96 hectares</p>	
		<p>Based on Rancangan Tempatan Jajahan Gua Musang 2020:</p> <p>Located within Blok Perancangan Kecil 1.13, ULU GALAS, the zoning for the proposed project area is</p> <h2 style="text-align: center; color: #0070C0;">FORESTRY</h2> <p>However, mining activity is permitted by local authorities with conditions.</p> <p>Referring to Pejabat Tanah dan Galian Negeri Kelantan, ML 3/2021 Lot 12186 has been degazetted from being part of permanent forest reserve.</p>

2.0 PROJECT PROPONENT & ENVIRONMENTAL CONSULTANT

LEASEHOLDER	PROJECT PROPONENT	ENVIRONMENTAL CONSULTANT
 <p>YAYASAN KELANTAN DARULNAIM (YAKIN) Tingkat 5, Kompleks YAKIN, Jalan Gajah Mati, 15000 Kota Bharu, Kelantan Darul Naim Tel: +609 744 6127 Fax: +609 744 9085</p>	 <p>UKIR PERDANA SDN. BHD. No.3A, 1st and 2nd Floor, ICT Hub, Jalan Putra Square 4, Putra Square, 25200 Kuantan, Pahang Darul Makmur Contact Person: Mr. Azhari Bin Ibrahim Telephone number: 017-948 7233</p>	 <p>NILAIMAS SERVICES (001953513-D) No.17, Jalan Equine 10D, Taman Equine, 43300 Seri Kembangan, Selangor Contact Person: Dato' Seri Ts. Hj. Mohd Nawahidudin Bin Mahamad Isa Tel/Fax: 03-89409959 / 03-89409958 E-mail: nilaimas@gmail.com</p>

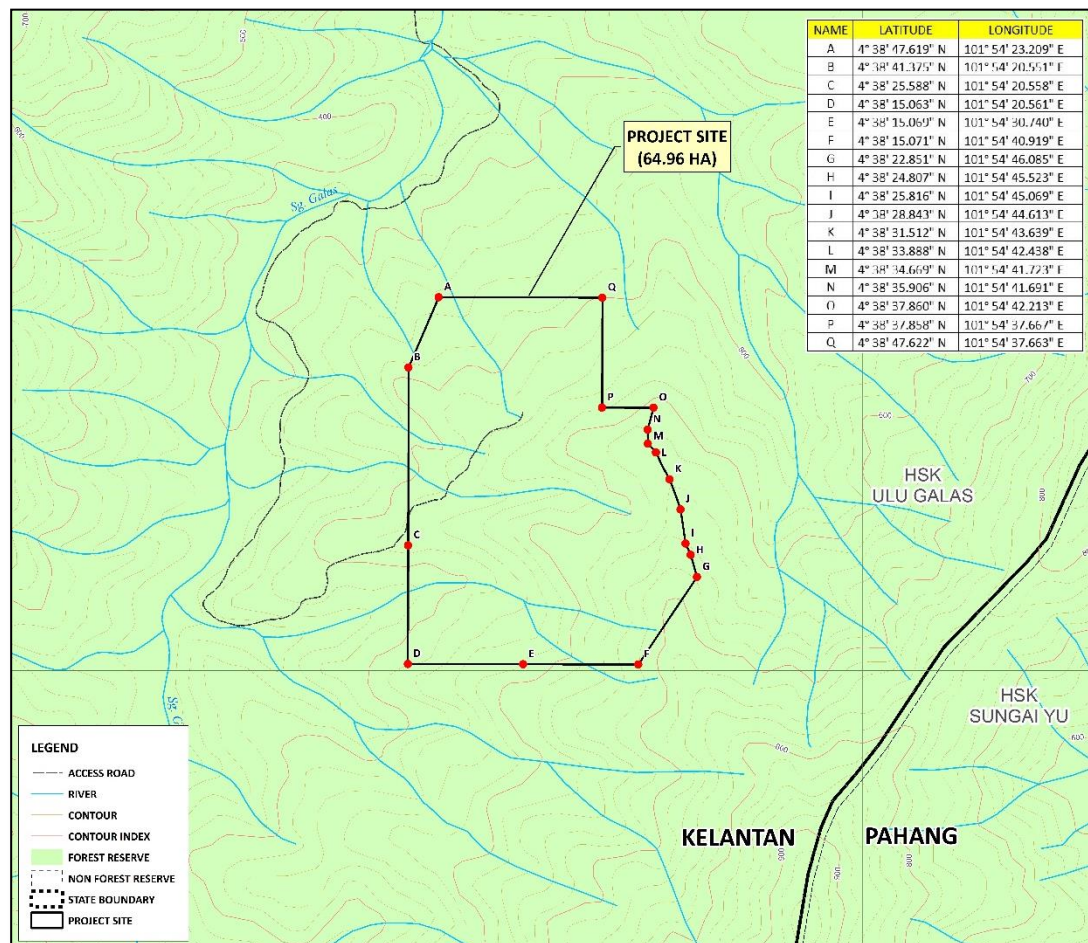
3.0 LEGISLATIVE REQUIREMENTS

Section 34A of the Environmental Quality Act 1974, Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order 2015

- Schedule 2, Activity 8 (b) – Mining of Minerals within or adjacent or near to environmentally sensitive area.
 - Schedule 1, Activity 5 (a) – Conversion of forest at 300 meters or more above mean sea level covering an area of 20 hectares or more but less than 100 hectares.
- Project Initiator is required to submit an EIA report to the Director General of the Department of Environment (DOE) for approval before the project can be granted the permission to commence the operation.



4.0 PROJECT OVERVIEW



Mining Lease (ML):
 ML 3/2021
 Total area: 64.96 Ha
 Period: 16 March 2021 – 15 March 2026 (5 years)

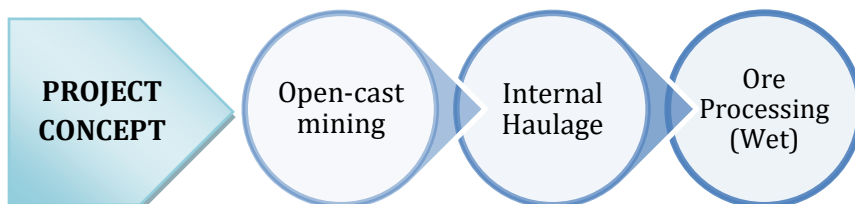
Mining Life Operational Life:
 280 Months / 23.3 Years

Current Land Use
 Lot 12186: Logged Over Secondary Forest

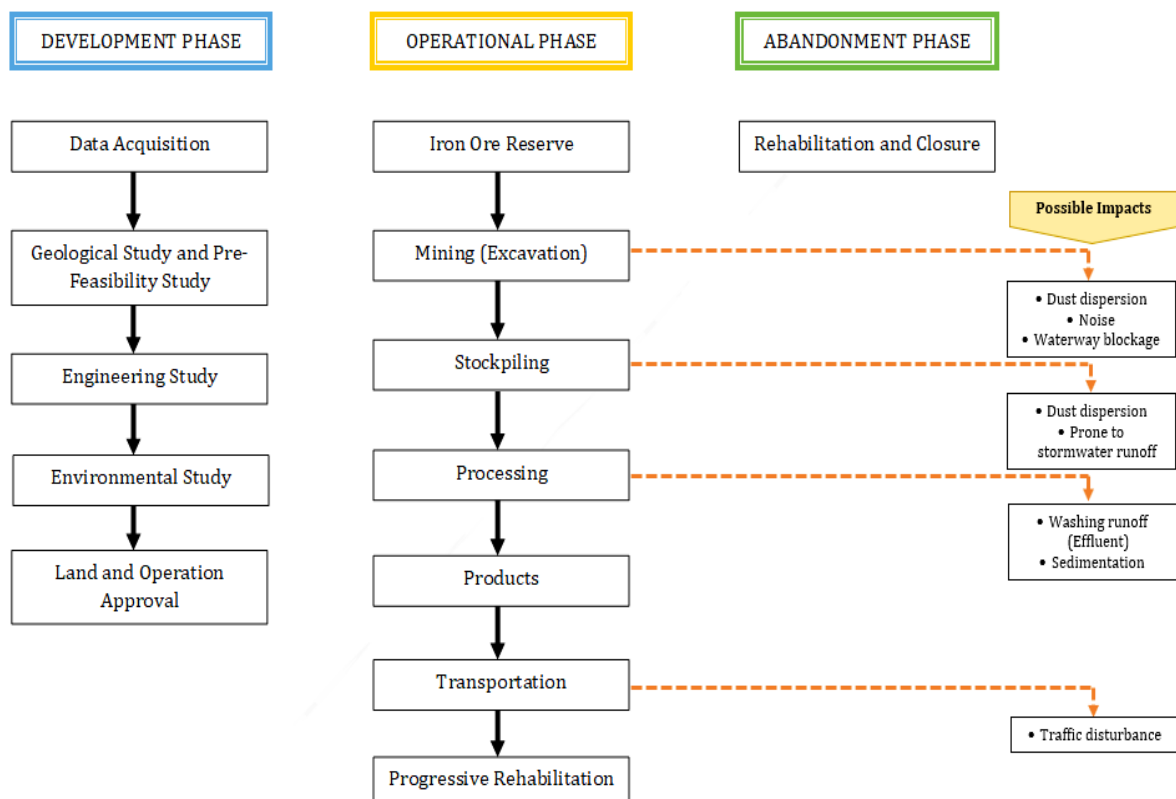
Iron Ore Reserves and Mine Operational Life

Estimated Workable Deposit Area	Estimated Mine Reserve	Mine Operational Life
49.07 Ha	419,181 tonnes	23.3 Years

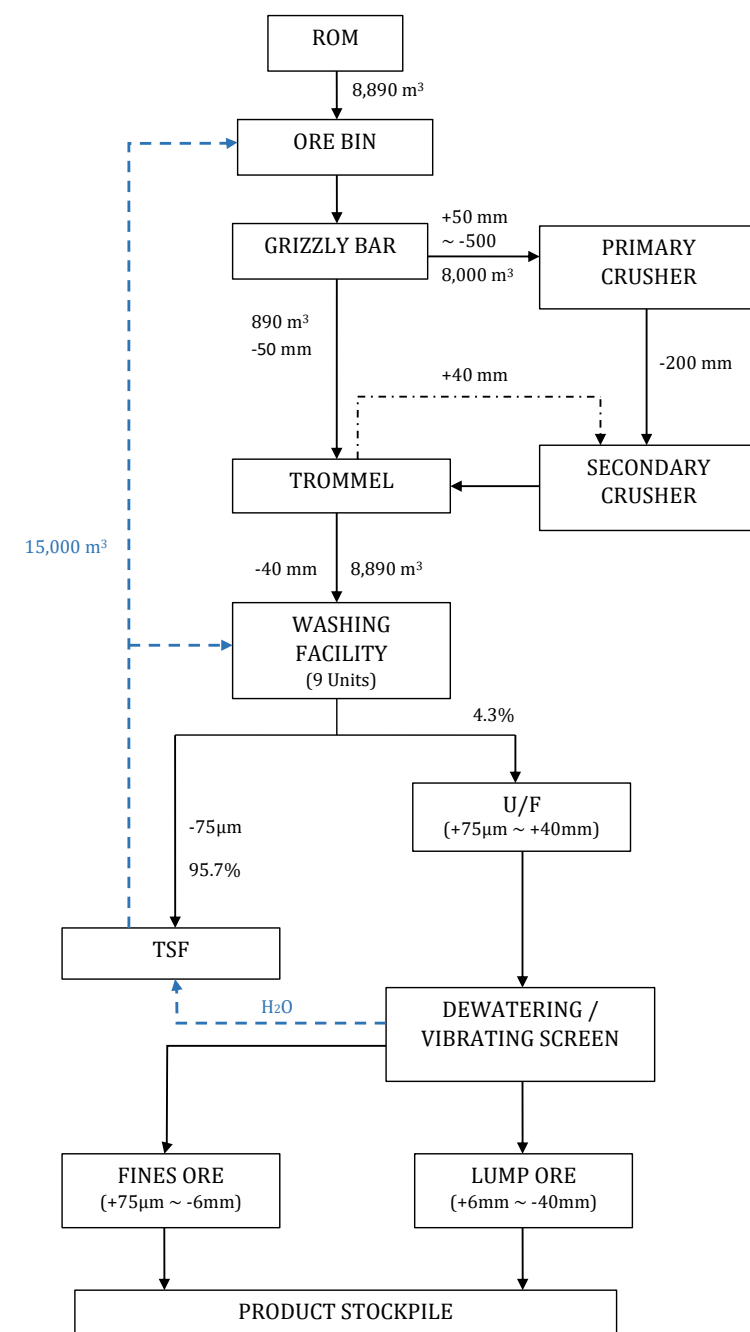
Point	Latitude	Longitude	Point	Latitude	Longitude
A	4° 38' 47.619" N	101° 54' 23.209" E	J	4° 38' 28.843" N	101° 54' 44.613" E
B	4° 38' 41.375" N	101° 54' 20.551" E	K	4° 38' 31.512" N	101° 54' 43.639" E
C	4° 38' 25.588" N	101° 54' 20.558" E	L	4° 38' 33.888" N	101° 54' 42.438" E
D	4° 38' 15.063" N	101° 54' 20.561" E	M	4° 38' 34.669" N	101° 54' 41.723" E
E	4° 38' 15.069" N	101° 54' 30.740" E	N	4° 38' 35.906" N	101° 54' 41.691" E
F	4° 38' 15.071" N	101° 54' 40.919" E	O	4° 38' 37.860" N	101° 54' 42.213" E
G	4° 38' 22.851" N	101° 54' 46.085" E	P	4° 38' 37.858" N	101° 54' 37.667" E
H	4° 38' 24.807" N	101° 54' 45.523" E	Q	4° 38' 47.622" N	101° 54' 37.663" E
I	4° 38' 25.816" N	101° 54' 45.069" E			



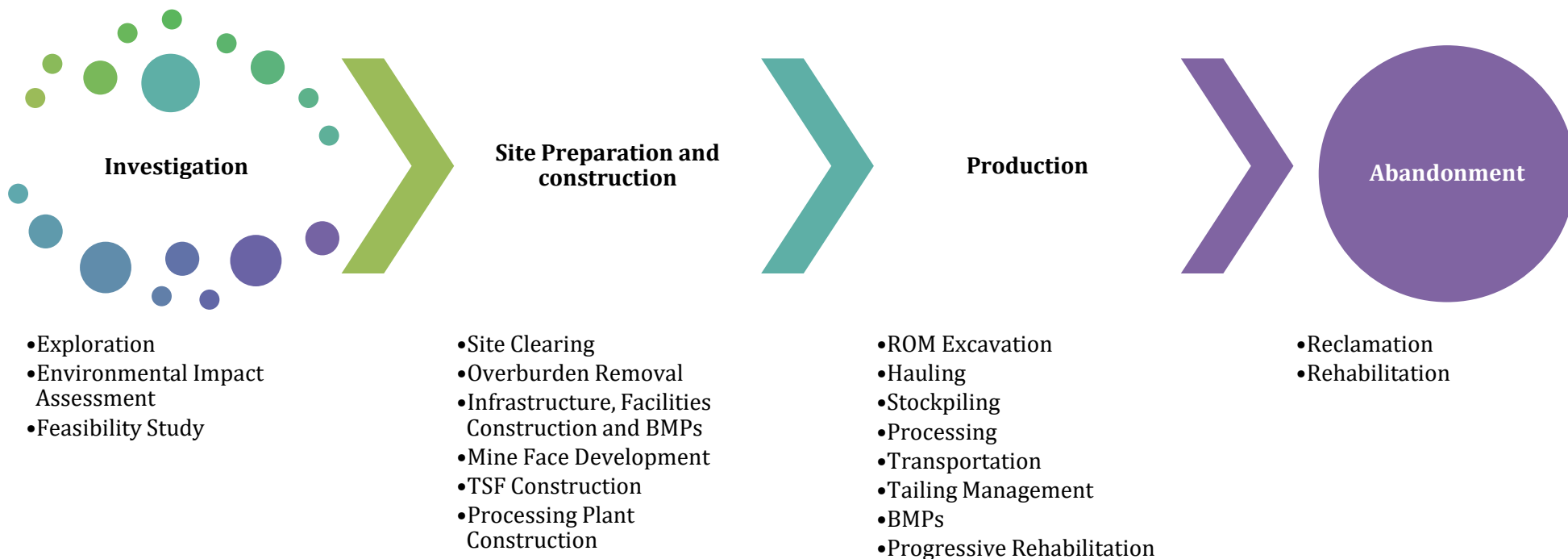
OVERALL MINING OPERATION WITH POSSIBLE IMPACTS



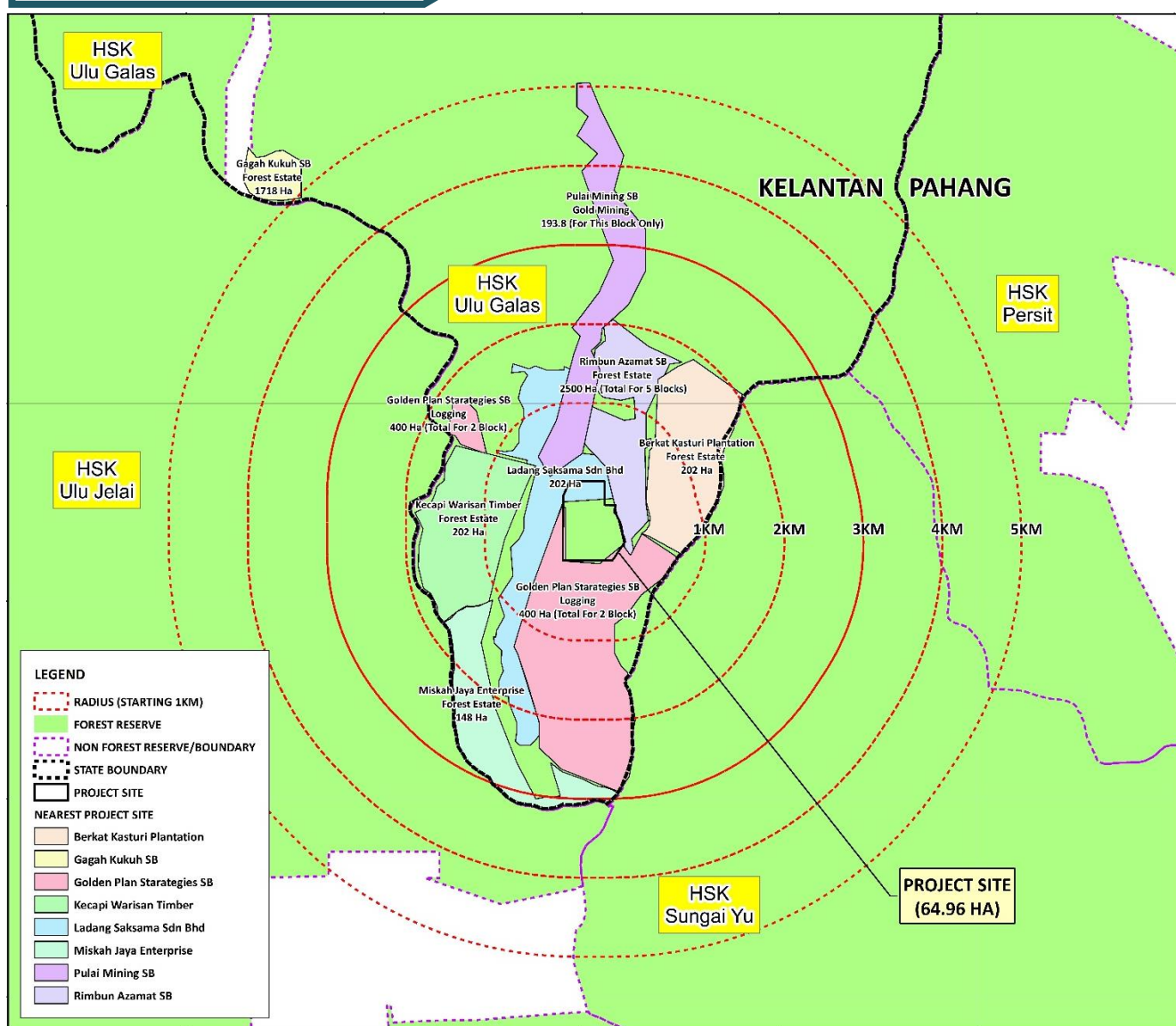
PROPOSED MINING OPERATION



TYPICAL MINING PROJECT ACTIVITIES

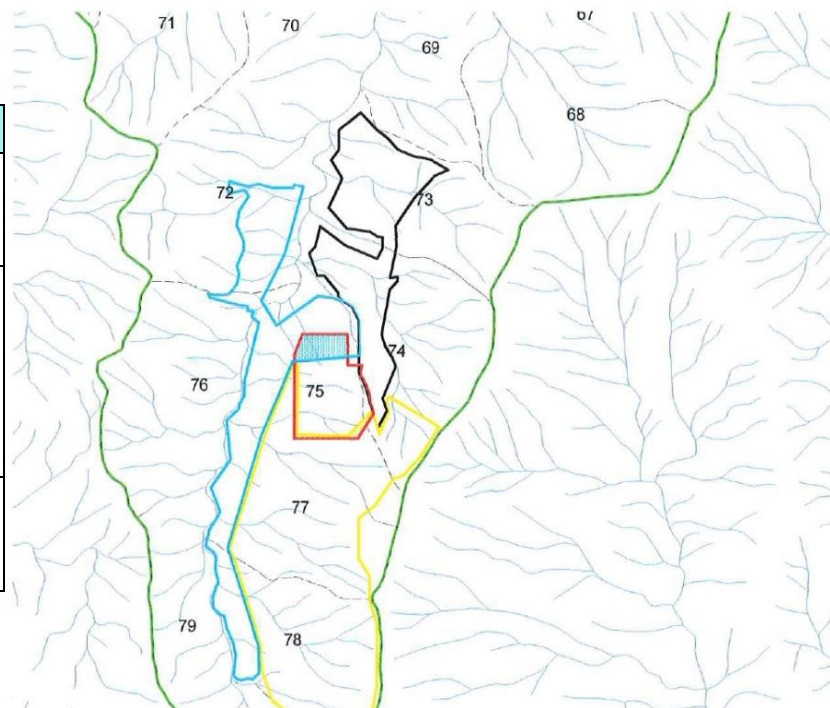


NEIGHBOURING AREAS PROJECT



OVERLAPPING LOT WITH THE PROJECT SITE

No.	Project Proponent	Activity	Acreage (Ha)	Relative Direction
1.	Golden Plan Strategies Sdn. Bhd.	Logging	400 Ha	Boundary sharing to the south
2.	Ladang Saksama Sdn. Bhd.	Forest Estate	202 Ha	Boundary sharing in the west while overlapping with project site in the northern area
3.	Rimbun Azamat Sdn. Bhd.	Forest Estate	2,500 Ha	Boundary sharing to the east





5.0 EXISTING ENVIRONMENT

LANDUSE

- The project site is zoned as Forestry Area. Located within HSK Ulu Galas, Mukim Pulai, Daerah Galas, Gua Musang, Kelantan.
- Mining activities were permitted with conditions by local authorities as refer to letter from PLANMalaysia@Kelantan.

TOPOGRAPHY

- Undulating hilly area at Ulu Galas reserved forest. Previously logged over by Sri Batu Papan Sdn. Bhd.
- Generally surrounded by plantations, rivers and logged forest.
- The project site is mainly drained towards Sungai Galas located at the northern direction of project area.

CLIMATE

- Meteorology station selected is Lembaga Kemajuan Kelantan for humidity, rainfall and raindays.
- Most of data collected through out the years discover that the highest mean relative humidity recorded is 87.7% in December 2022 whereas the lowest was 64.5% for the year of March 2019.
- The highest monthly rainfall within the seven (7) years was recorded in highest monthly rainfall amount was recorded in April 2021 with value of 119.7 mm/month.
- Kuala Krai Station is selected for the wind profile data.
- The maximum frequency occurrence wind speed recorded was 11.3% from the northeast directions with mean speed of 0.3 m/s until 5.4 m/s. The wind is calm at 36.4% of the year.

WATER INTAKE

- There is only one (1) water intakes being monitored for this project.
- Limau Kasturi Water Intake (51.20 km) is located at downstream of the project site.

WATER QUALITY

- Twenty-one (21) sampling points to be compared to NWQS Class IIB.
- A total of forty-six (46) parameters were analysed for each sample, consisting of physical, organics, inorganics, metals and major cations, and microbiological compounds.
- In-situ measurements of temperature, pH, dissolved oxygen, percentage dissolved oxygen saturation, salinity and conductivity were also carried out for each sample.

GEOLOGY AND HYDROGEOLOGY

- Comprised of granite.
- Geology investigation was conducted by thoroughly study a total of nine rock exposures (KNG1-KNG9).
- The measured groundwater levels were generally between 1.20 and 3.83 meters below ground surface, denoting the levels of between 31.5 and 48.8 meters above mean sea level (a.m.s.l.).
- The groundwater quality of all monitoring wells has the index score ranging from 63.08 – 98.22 and was categorised according to NGWQI as Moderate to Excellent.

GEOCHEMISTRY

- The samples were classified as non-acid generating with the Net NP values of 44.5 to 153.9 kgCaCO₃/ton.
- Results of ABA method with the NP values of >> 20 kgCaCO₃/ton. All samples are non acid generating.

AMBIENT AIR, GAS AND NOISE

- 3 Ambient air and noise samples taken at the sensitive receptors surrounding the project area.
- 3 Sample of gases at the project site were analysed which include SO₂, NO₂ and CO.
- PM_{2.5} and PM₁₀, and all gas parameters were compared with MAAQS.
- Noise results were compared with Recommended Permissible Sound Level (Laeq) By Receiving Land Use for Existing Built Up Areas under category Low Density Residential, Noise Sensitive Receptors, Institutional (School, Hospital, Worship).

TRAFFIC

- The main access to this proposed project is via 25.7 m unpaved Forestry Road from main road D241 Jalan Kg. Pulai - Kuala Tuang in Kampung Pulai.
- The project is expected to generate 10 weekly trips of heavy lorries, each weighing 40 tonnes, which will travel along Jalan Kampung Pulai.

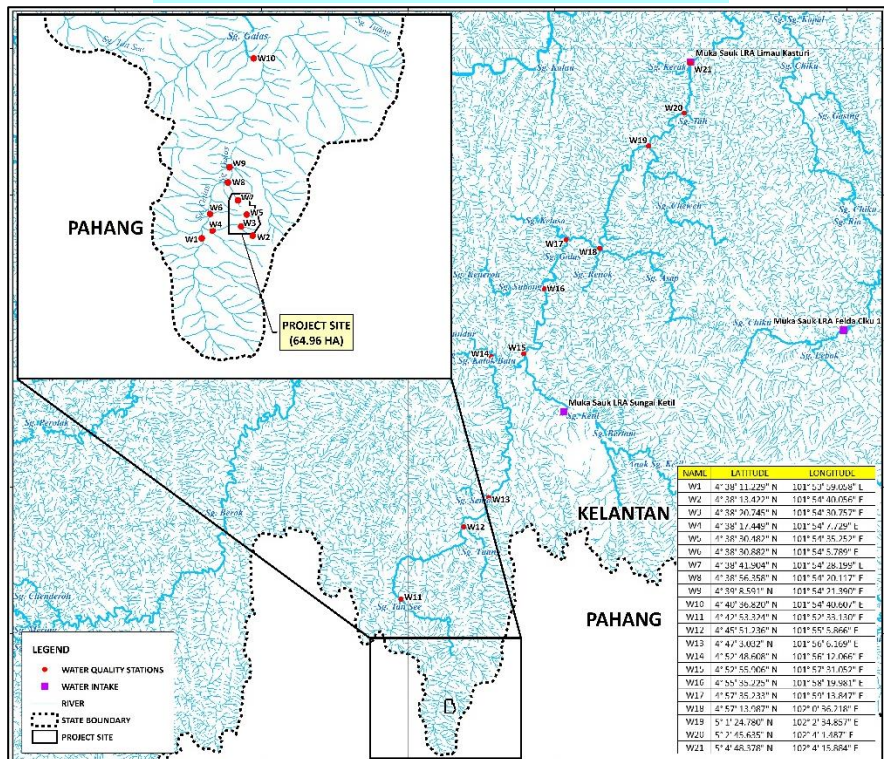
ECOLOGY

- The land is located at forest reserves, namely Ulu Galas Forest Reserve, and inside the main range CFS Forest Complex.
- It has an undulating topographic landscape of disturbed hill dipterocarp forest.
- A qualitative survey was conducted with transects to determine the flora diversity. Meanwhile, mammal survey was carried out using a line transect and random survey as well as camera traps in the study plot, and all the secondary signs on the left and right of the paths were recorded.

SOCIO-ECONOMY

- 51 respondents were involved from the nearest local settlement which is Kampung Pulai located outside of ZOI radius.
- Includes questionnaire survey, Focus Group Discussion (FGD) and informal conversations.
- More than half of repondents give positive feedback.

LOCATION OF WATER SAMPLING STATION

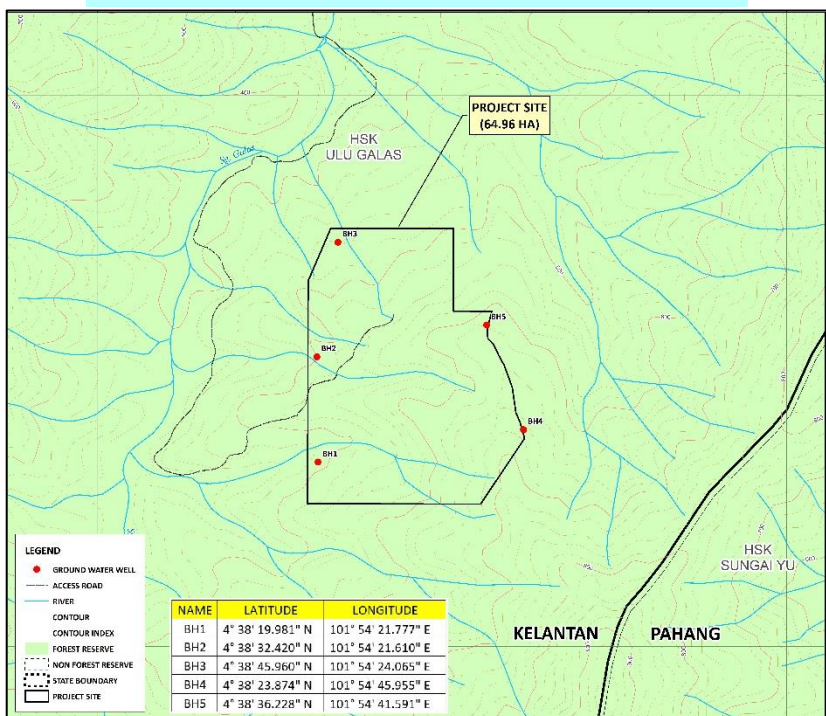


NATIONAL WATER QUALITY STANDARDS FOR MALAYSIA

PARAMETER	UNIT	CLASS				
		I	IIA/IIIB	III*	IV	V
Al	mg/l		-	(0.06)	0.5	
As	mg/l		0.05	0.4 (0.05)	0.1	
Ba	mg/l		1	-	-	
Cd	mg/l		0.01	0.01* (0.001)	0.01	
Cr (VI)	mg/l		0.05	1.4 (0.05)	0.1	
Cr (III)	mg/l		-	2.5	-	
Cu	mg/l		0.02	-	0.2	
Hardness	mg/l		250	-	-	
Ca	mg/l		-	-	-	
Mg	mg/l		-	-	-	
Na	mg/l		-	-	3 SAR	
K	mg/l		-	-	-	
Fe	mg/l		1	1	1 (Leaf) 5 (Others)	
Pb	mg/l		0.05	0.02* (0.01)	5	
Mn	mg/l		0.1	0.1	0.2	
Hg	mg/l		0.001	0.004 (0.0001)	0.002	
Ni	mg/l		0.05	0.9*	0.2	
Se	mg/l		0.01	0.25 (0.04)	0.02	
Ag	mg/l		0.05	0.0002	-	
Sn	mg/l		-	0.004	-	
U	mg/l		-	-	-	
Zn	mg/l		5	0.4*	2	
B	mg/l		1	(3.4)	0.8	
Cl	mg/l		200	-	80	
Cl ₂	mg/l		-	(0.02)	-	
CN	mg/l		0.02	0.06 (0.02)	-	
F	mg/l		1.5	10	1	
NO ₂	mg/l		0.4	0.4 (0.03)	-	
NO ₃	mg/l		7	-	5	
P	mg/l		0.2	0.1	-	
Silica	mg/l		50	-	-	
SO ₄	mg/l		250	-	-	
S	mg/l		0.05	(0.001)	-	
CO ₂	mg/l		-	-	-	
Gross-α	Bq/l		0.1	-	-	
Gross-β	Bq/l		1	-	-	
Ra-226	Bq/l		<0.1	-	-	
Sr-90	Bq/l		<1	-	-	
CCE	µg/l		500	-	-	
MBAS/BAS	µg/l		500	5000 (200)	-	
O & G (Mineral)	µg/l		40; N	N	-	
O & G (Emulsified Edible)	µg/l		7000; N	N	-	
PCB	µg/l		0.1	6 (0.05)	-	
Phenol	µg/l		10	-	-	
Aldrin/Dieldrin	µg/l		0.02	0.2 (0.01)	-	
BHC	µg/l		2	9 (0.1)	-	
Chlordane	µg/l		0.08	2 (0.02)	-	
t-DDT	µg/l		0.1	(1)	-	
Endosulfan	µg/l		10	-	-	
Heptachlor/Epoxide	µg/l		0.05	0.9 (0.06)	-	
Lindane	µg/l		2	3 (0.4)	-	
2,4-D	µg/l		70	450	-	
2,4,5-T	µg/l		10	160	-	
2,4,5-TP	µg/l		4	850	-	
Paraquat	µg/l		10	1800	-	

PARAMETER	UNIT	CLASS						
		I	IIA	IIIB	III	IV	V	
Ammoniacal Nitrogen	mg/l	0.1	0.3	0.3	0.9	2.7	> 2.7	
Biochemical Oxygen Demand	mg/l	1	3	3	6	12	> 12	
Chemical Oxygen Demand	mg/l	10	25	25	50	100	> 100	
Dissolved Oxygen	mg/l	7	5 - 7	5 - 7	3 - 5	< 3	< 1	
pH	-	6.5 - 8.5	6 - 9	6 - 9	5 - 9	5 - 9	-	
Colour	TCU	15	150	150	-	-	-	
Electrical Conductivity*	µS/cm	1000	1000	-	-	6000	-	
Floatables	-	N	N	N	-	-	-	
Odour	-	N	N	N	-	-	-	
Salinity	ppt	0.5	1	-	-	2	-	
Taste	-	N	N	N	-	-	-	
Total Dissolved Solid	mg/l	500	1000	-	-	4000	-	
Total Suspended Solid	mg/l	25	50	50	150	300	300	
Temperature	°C	-	Normal + 2 °C	-	Normal + 2 °C	-	-	
Turbidity	NTU	5	50	50	-	-	-	
Faecal Coliform**	count/100 ml	10	100	400	5000 (20000) ^a	5000 (20000) ^a	-	
Total Coliform	count/100 ml	100	5000	5000	50000	50000	> 50000	

LOCATION OF GROUNDWATER SAMPLING STATION



Sampling Station	Latitude	Longitude	Justification
GW1	4° 38' 19.981" N	101° 54' 21.777" E	Southwest of project area
GW2	4° 38' 32.420" N	101° 54' 21.610" E	Western area of near project boundary
GW3	4° 38' 45.960" N	101° 54' 24.065" E	Northwest of project area near to access road
GW4	4° 38' 20.427" N	101° 54' 36.462" E	Eastern area of near project boundary
GW5	4° 38' 20.222" N	101° 54' 37.613" E	Northeast of near project boundary

Groundwater concentration values were compared with two (2) Malaysian Environmental Standards

GWQI	Category	Potential Use
0 - 15	Polluted	Investigation needed before use
16 - 39	Slightly polluted	Irrigation
40 - 69	Moderate	Raw water / Industrial use
70 - 89	Good	Potential for drinking, SUBJECT to compliance of all parameters listed under MOH Drinking Water Quality Standards
>90	Excellent	High quality water for all purpose, SUBJECT to compliance of respective water quality standards stipulated for the intended use

- Groundwater Quality Standards and Quality Index (GWQI). Department of Environment Malaysia.
- Recommended Raw Water Quality Criteria from the Ministry of Health, Malaysia

MALAYSIA AMBIENT AIR QUALITY STANDARDS

Pollutant	Average Time	Ambient Air Quality Standard (µg/m ³)
Particulate Matter with the size of less than 10 micron (PM ₁₀)	1 Year	40
	24 Hour	100
Particulate Matter with the size of less than 2.5 micron (PM _{2.5})	1 Year	15
	24 Hour	35
Sulfur Dioxide (SO ₂)	1 Hour	250
	24 Hour	80
Nitrogen Dioxide (NO ₂)	1 Hour	280
	24 Hour	70
Ground Level Ozone (O ₃)	1 Hour	180
	8 Hour	100
*Carbon Monoxide (CO) mg/m ³	1 Hour	30
	8 Hour	10

LIMITING SOUND LEVELS FOR NEW DEVELOPMENT (SCHEDULE 1)

Receiving Land Use Category	Limit
Suburban Residential (Medium Density) Recreational	Recommended Permissible Sound Level (L _{Aeq}) by Receiving Land Use for New Development (Schedule 1). Day time - L _{Aeq} ≤ 60dB(A) Nighttime - L _{Aeq} ≤ 55dB(A)




ENVIRONMENTAL IMPACT ASSESSMENT (EIA) (SECOND SCHEDULE)

ENVIRONMENTAL IMPACT ASSESSMENT FOR "PROPOSED IRON ORE MINING ON ML 3/2021 LOT 12186 WITH AN AREA OF 64.96 HA, HUTAN SIMPAN KEKAL ULU GALAS, MUKIM PULAI, DAERAH GALAS, JAJAHAN GUA MUSANG, KELANTAN DARUL NAIM" - SCHEDULE II

REV:00





6.0 ENVIRONMENTAL ASSESSMENT MATRIX




Environmental Component	Project Activity																						
	Investigation			Site Preparation and Development							Operation and Production							Closure/ Exit					
	Field Reconnaissance	Exploration, Site Surveying and Mapping	Soil Investigations (Drilling and Sampling)	Environmental Assessment	Establish Access Road	Boundary Demarcation and Positioning	Provision of Buffer Areas Within Site	Mobilization of Workforce	Transport of Equipment and Supplies	Site Clearing and Biomass Removal	Infrastructure Construction (Haulage Road and Working Platform)	Improvement to drainage system	Installation of Crushers or Processing Plant	Waste Disposal	Clearing of Quarries/Mines Site Involving Vegetation Clearing	Overburden Stripping and Waste Disposal	Digging and Hauling	Excavation and Extraction which may involve Crushing	Loading and Transportation of Excavated Materials	Processing and Stockpiling	Tailing Management and Waste Disposal	Site-Restoration (Back-filling, Compaction and Topsoiling of the excavated area)	Rehabilitation Works
Land																							
Landforms	N	N	/	N	/	/	/	1	X	/	/	1	/	/	/	/	/	/	1	1	/	/	/
Soil Profiles	N	N	N	N	/	2	/	X	X	/	2	1	1	1	/	/	/	/	1	1	1	/	/
Soil Composition	N	N	/	N	/	1	/	X	X	3	2	1	1	/	/	/	/	/	1	1	/	/	/
Slope Stability	N	N	/	N	/	/	/	X	X	/	/	/	/	/	/	/	/	/	2	3	/	/	/
Subsidence and Compaction	N	N	/	N	/	1	/	X	X	/	/	1	2	/	/	/	/	/	1	1	1	/	/
Seismicity	N	N	N	N	1	1	X	X	X	1	2	1	1	X	1	1	/	/	1	1	1	/	/
Flood Plains/Swamp	N	N	/	N	/	1	/	X	X	/	/	/	/	/	/	/	/	/	1	2	/	/	/
Landuse	N	N	N	N	/	1	/	X	X	3	2	1	/	/	/	/	/	/	1	1	/	/	/
Engineering and Mineral Resources	N	N	/	N	/	1	/	X	X	2	3	/	/	/	/	/	/	/	1	1	/	/	/
Buffer Zones	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	1	1	/	/	/
Surface Water																							
River	N	N	/	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Bottom Interface	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Flow Variation	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Water Quality	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Drainage Pattern	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Water Balance	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Flooding	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Existing Use	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Groundwater																							
Water Table	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Flow Regime	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Water Quality	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Recharge	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Aquifer Characteristics	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Existing Use	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Atmosphere																							
Air Quality	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Air Flow	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Climate Change	N	N	1	N	1	1	1	N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Visibility	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Noise																							
Intensity	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Duration	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Frequency	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Biological Resources																							
Terrestrial Vegetation	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
Terrestrial Wildlife	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
Other Terrestrial Fauna	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
Fish	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
Other Aquatic/Marine Flora	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
Terrestrial Habitats	N	N	/	N	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	+
Terrestrial Communities	N	N	/	N	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	+
Aquatics Habitats	N	N	/	N	2/	2/	2/	2/	1	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	+
Aquatics Communities	N	N	/	N	2/	2/	2/	2/	1	2/	2/	2/	2/	2/	2/	2/	2/	2/	1	2/	2/	2/	+
Human Health and Safety																							
Physical Safety	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Physiological Wellbeing	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Parasitic Disease	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Communicable Disease	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Physiological Disease	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Social Economic																							
Employment	N	N	N	N	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Housing	N	N	N	N	X	X	X	X	X	/	/	X	/	/	/	/	/	/	/	/	/	/	+
Utilities	N	N	N	N	X	X	X	X	X	/	/	1	/	/	/	/	/	/	/	/	/	/	+
Amenities	N	N	N	N	X	X	X	X	X	/	/	X	/	/	/	/	/	/	/	/	/	/	X
Property and Settlement	N	N	N	N	X	X	X	X	X	/	/	X	/	/	/	/	/	/	/	/	/	/	+
Aesthetic and Cultural																							
Landforms	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
Biota	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
Wilderness	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
Water Quality	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Atmospheric Quality	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Climate	N	N	N	N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	+
Tranquillity	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
Sense of Community	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
Community Structure	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	N
Man-made Object	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N
Historic Places or Structure	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Religious Places or Structure	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Landscape	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+

	ENVIRONMENTAL IMPACT ASSESSMENT (EIA) (SECOND SCHEDULE)	REV:00
	ENVIRONMENTAL IMPACT ASSESSMENT FOR "PROPOSED IRON ORE MINING ON ML 3/2021 LOT 12186 WITH AN AREA OF 64.96 HA, HUTAN SIMPAN KEKAL ULU GALAS, MUKIM PULAI, DAERAH GALAS, JAJAHAN GUA MUSANG, KELANTAN DARUL NAIM" - SCHEDULE II	

7.0 ENVIRONMENTAL MANAGEMENT PLAN (EMP)

Typical EIA Approval Conditions	Report Frequency
To be submitted starting from land clearing stage until the cessation of the mining operation	
<ul style="list-style-type: none"> Compliance Form EIA 1-18 & 2-18 	Every 3 months
To be submitted starting from land clearing stage until the cessation of the mining operation	
<ul style="list-style-type: none"> Surface water quality 	Every Month
<ul style="list-style-type: none"> Total Suspended Solid (Discharge from silt traps/ sediment basins) 	Every Month
<ul style="list-style-type: none"> Ambient air quality 	Every 3 months
<ul style="list-style-type: none"> Ambient noise level 	Every 3 months
To be submitted before the commencement of earthwork	
<ul style="list-style-type: none"> EMP 	Before earthwork
To be submitted before the commencement of earthwork	
<ul style="list-style-type: none"> ESCP 	Before Earthwork

LD-P2M2		
	➔	Sediment Basin/ Detention Pond
		Waterway Crossing ←
	➔	Temporary Earth Drain
		Check Dams ←
	➔	Geo Bags
		Biomass Waste Area ←
	➔	Tailing Ponds
		Buffer Area ←

BMPs		
	➔	Scheduled waste management
		Fogging ←
	➔	Quality monitoring
		Storage Area ←
	➔	Water Browser
		Desilting ←