



# **PMEA**

**PHILIPPINE MINING & EXPLORATION ASSOCIATION**

## **REVITALIZING EXPLORATION**

**September 19, 2023**

**Joey Nelson R. Ayson  
President**

**SEEING GREEN:  
SHAPING A SUSTAINABLE MINERALS  
DEVELOPMENT INDUSTRY**

MINING PHILIPPINES 2023  
EDSA Shangri-la Manila  
Mandaluyong City



# WHO IS THE PMEIA?

- Originally IMEC, a sub-committee within the JFC when the Mining Act was approved
- Incorporated as Philippine Mineral Exploration Association in September 1998
- Change in name to Philippine Mining and Exploration Association in November 2011
- Managed by a 7-man BoT elected annually from the Members and a Secretariat
- Regular meetings every first Monday of the month with an industry update and a key speaker addressing issues of interest
- Currently, we have 15 Regular Members, 54 Associate Members and 20 Individual Members
- Member of the Chamber of Mines of the Philippines



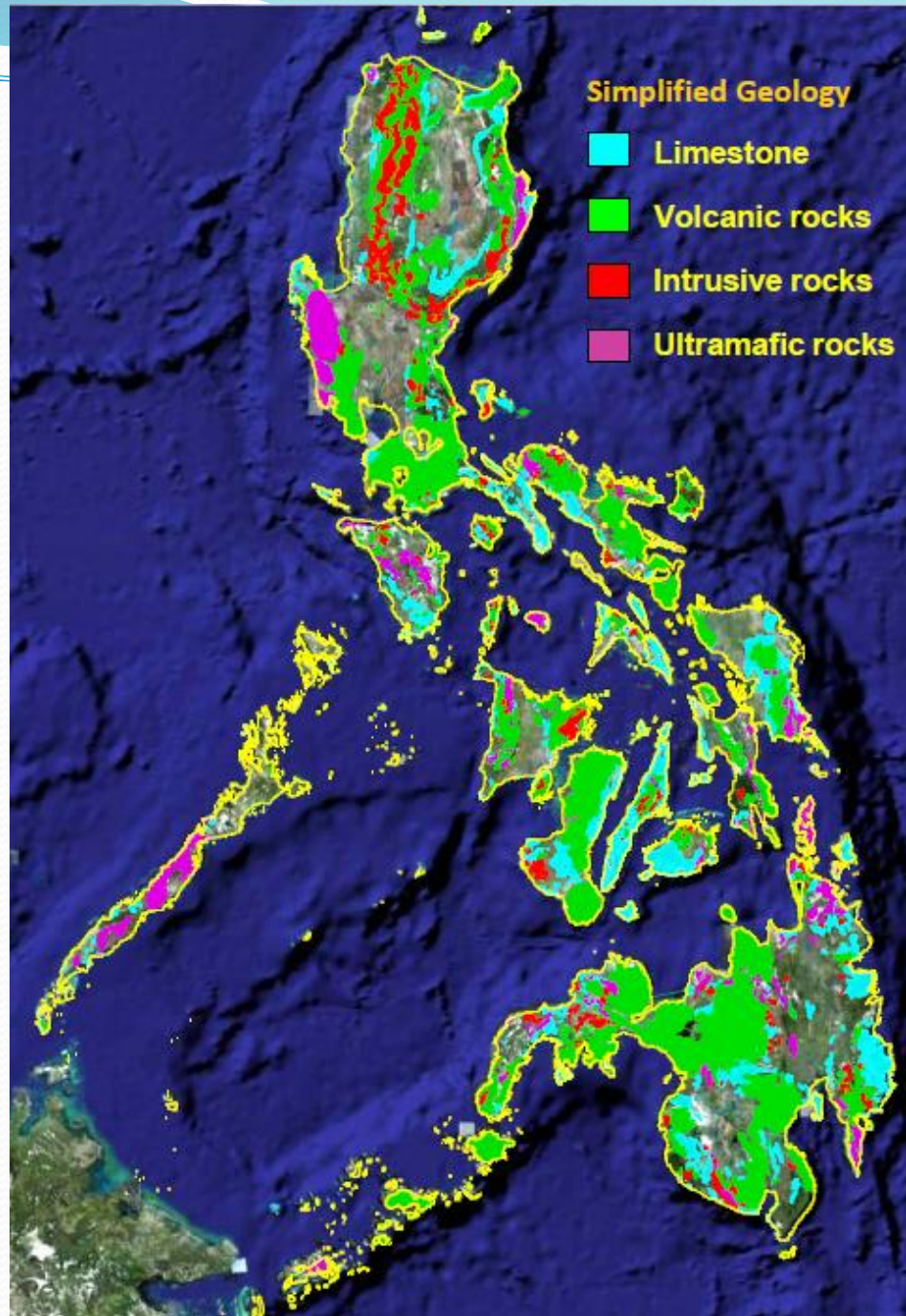
# OUTLINE

- Philippine Geology
- Mineralized Belts
- Operating Metallic Mines
- Operating Non-Metallic Mines
- Operating Coal Mines
- Offshore Projects
- Advanced Exploration Projects / Near Development
- Development Projects
- Current Tenement Status
- Challenges
- Proposed Solutions



# PHILIPPINE GEOLOGY

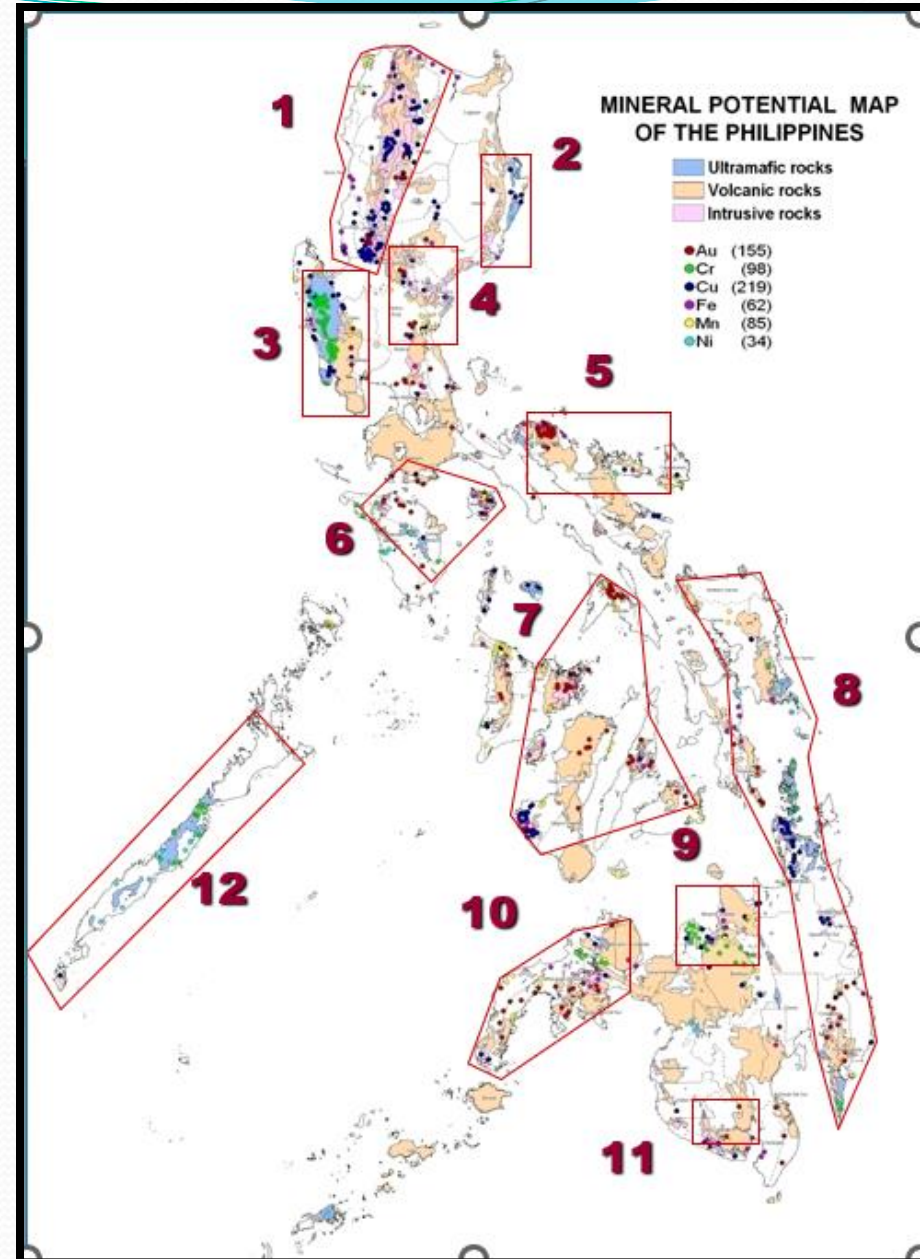
*Adapted from Sajona & Domingo 2011*





# MINERALIZED BELTS

1. Luzon Central Cordillera – Au, Cu, Fe, Mn
2. Northern Sierra Madre – Cr, Ni, Cu
3. Zambales – Cr, Ni, Co, Pt, Cu, Au
4. Nueva Vizcaya - Aurora – Cu, Au
5. Bicol – Au, Fe, Cu
6. Southern Tagalog – Cu, Au, Ni, Co
7. Central Visayas – Cu, Au, Mn
8. Samar-Eastern Mindanao – Au, Cu, Fe, Cr, Ni, Co, Pt, Mn
9. North Central Mindanao – Cr, Ni, Cu, Au
10. Zamboanga Peninsula – Au, Cu, Cr, Fe
11. Central-Southern Mindanao – Cu, Au
12. Palawan – Cr, Ni, Co, Pt, Au, REE





# GOLD AND COPPER MINES

## Gold (10) ★

1. Lepanto – Victoria/Teresa Project
2. Itogon Suyoc – Sangilo
3. Benguet Corp – Acupan Contract Mining
4. FCF Minerals – Runruno Au-Mo Project
5. OGPI - Didipio
6. Filminera – Masbate Gold Project (Ag)
7. TVIRD – Siana Mine
8. TVIRD – Balabag Au-Ag Project (Ag)
9. Apex – Maco Gold Project (Ag)
10. Philsaga – Co-o Mine

## Copper (3) ★

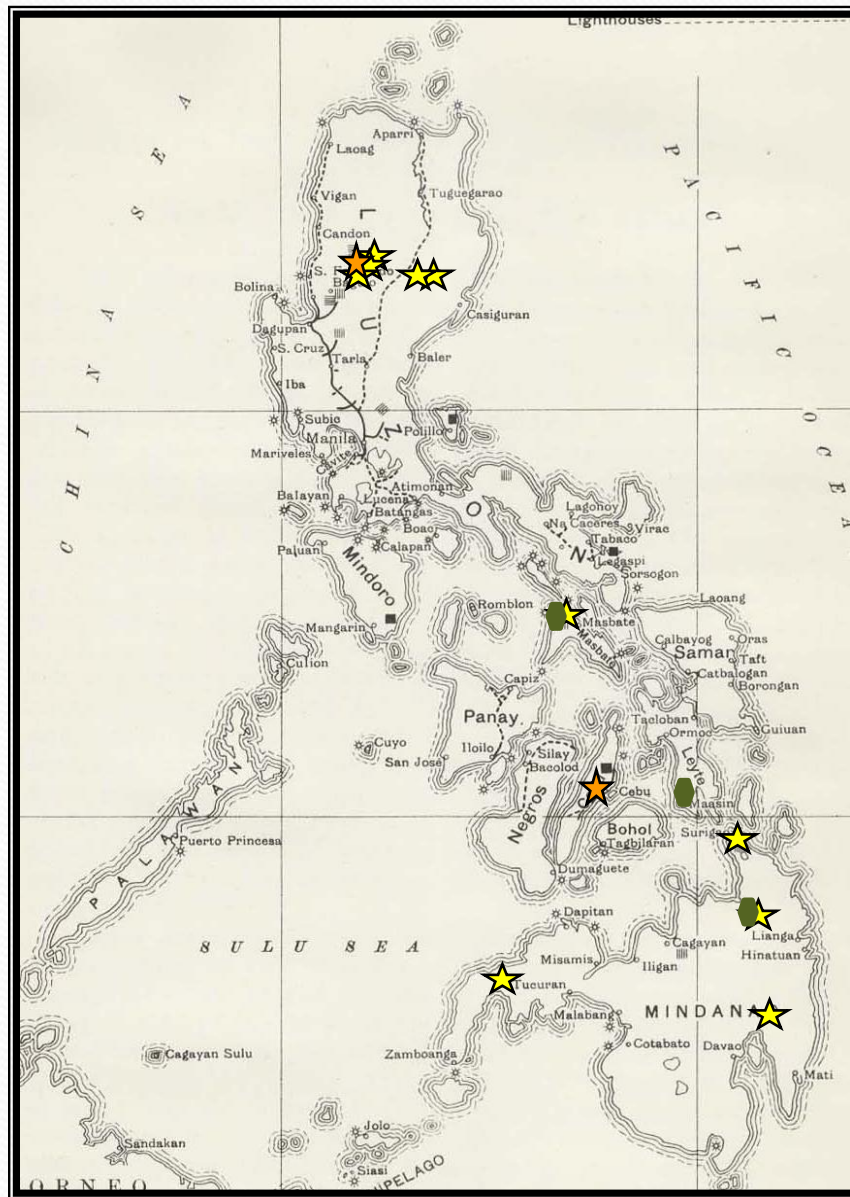
1. Philex - Padcal
2. Carmen Copper – Toledo
3. OGPI is also a significant Cu Producer

## Processing Plants



Gold (2) – PGPRC & MMPRC

Copper (1) – PASAR





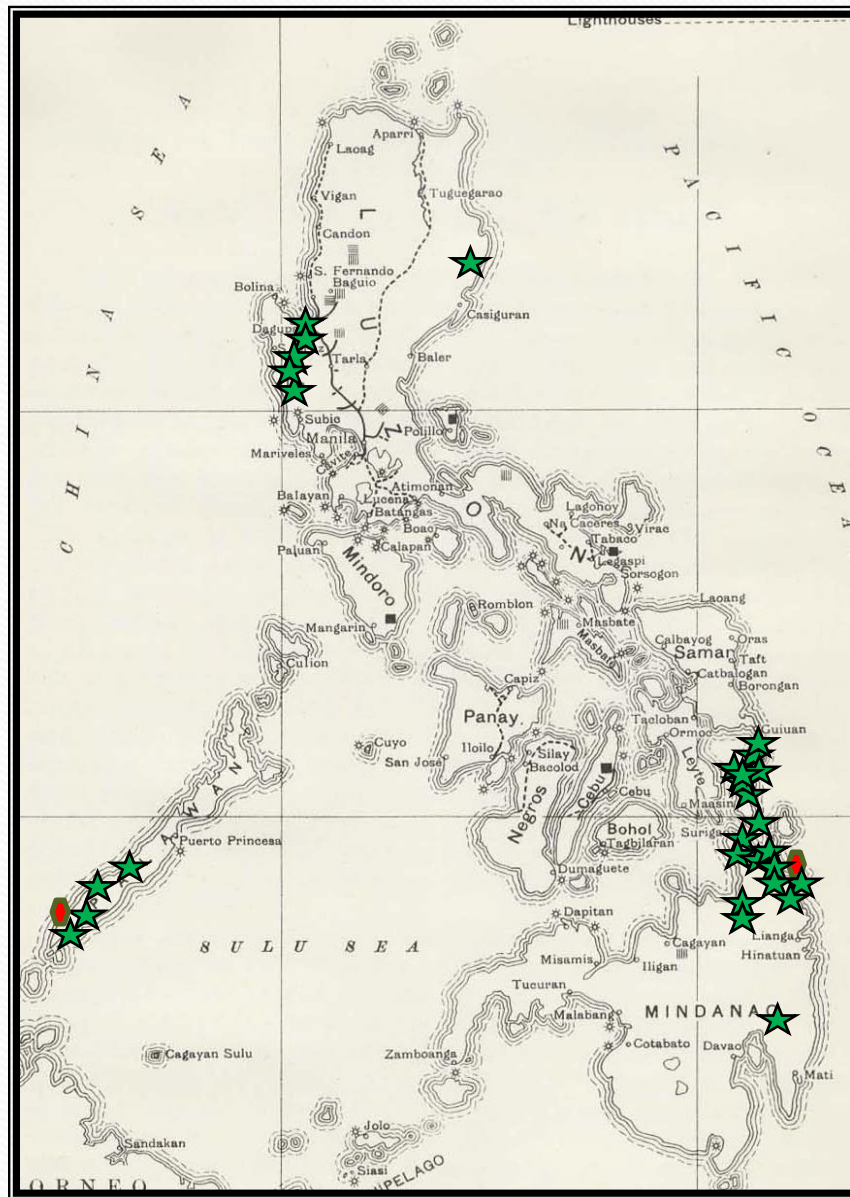
# NICKEL MINES

## Nickel (32) ★

1. Dinapigue Mining – Isabela
2. Benguet Corp – Zambales
3. Eramen – Zambales
4. LnL - Zambales
5. DMCI – Zambales
6. Shangfil – Zambales
7. Ipilan Nickel - Palawan
8. Rio Tuba – Palawan
9. Citinickel – Palawan
10. Berong – Palawan
11. Emir - Samar
12. Nickelace - Samar
13. SR Metals – Agusan del Norte
14. Agata – Agusan del Norte
15. Hinatuan Mining – Surigao del Norte
16. Taganito Mining – Surigao del Norte
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17. PGMC – Surigao del Norte
18. Adnama - Surigao del Norte
19. Pacific Nickel - Nonoc
20. Kafugan – Surigao del Sur
21. CTP Adlay – Surigao del Sur
22. CTP Dahican – Surigao del Sur
23. Marcventures – Surigao del Sur
24. Ludgoron – Surigao del Sur
25. 4D Ventures – Surigao del Sur
26. Libjo – Dinagat
27. Citinickel - Dinagat
28. Cagdianao Mining – Dinagat
29. Stagno - Dinagat

## HPAL Plants (2) ⬡

1. Coral Bay
2. Taganito HPAL
30. Vista Buena – Dinagat
31. Sinosteel - Dinagat
32. ArcNickel – Davao Oriental





# CHROMITE AND IRON ORE MINES

## Chromite (4) ★

Techiron – Homonhon Project

Krominco – Dinagat Project

Shangfil Mining – Zambales

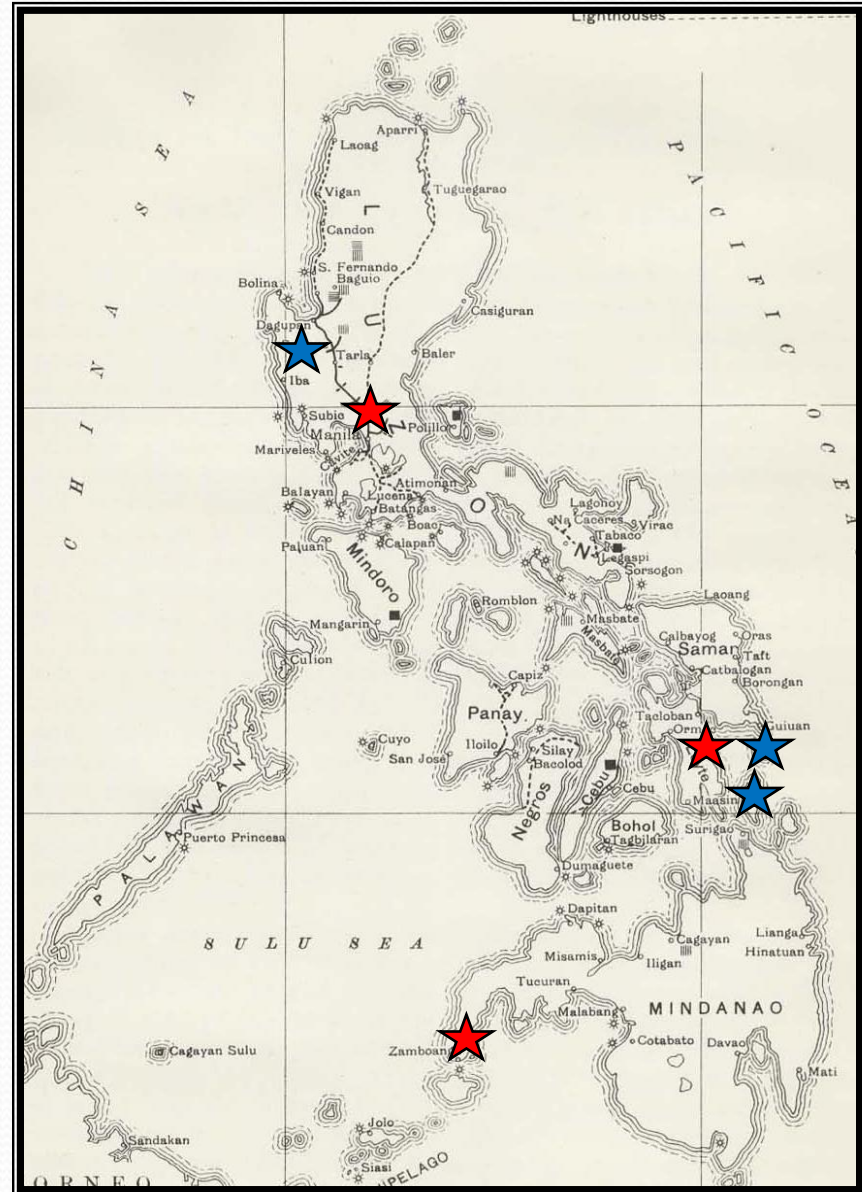
Taganito HPAL also has Cr production

## Iron Ore ★

Ore Asia – Camachin Project (Bulacan)

Strongbuilt – Leyte Iron Sand

Atro Mining - Zamboanga







# NON-METALLIC MINES

Limestone and Shale (29) ●

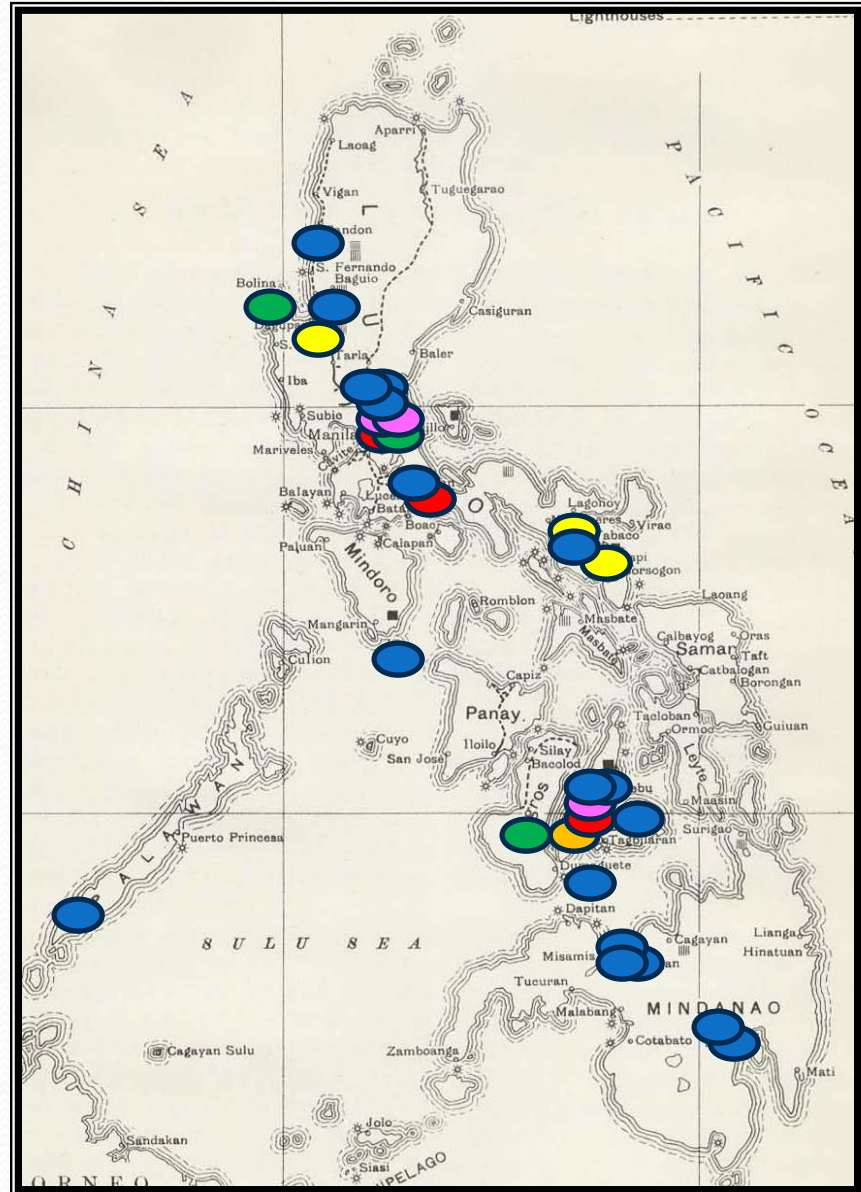
Marble / Marbleized Limestone (5) ●

Aggregates / Tuff (16) ●

Dolomite (1) ●

Clay (3) ●

Silica (4) ●





# COAL MINES

## Coal ★

DMCI – Semirara

PNOC-EC – Zamboanga Sibugay

A. Blackstone – Zamboanga Sibugay

Dagama – South Cotabato

Sultan Energy – South Cotabato

Adlaon – Cebu

BBB – Cebu

Samaju – Batan Island





# OFFSHORE PROJECTS

## Magnetite Sand

JDVC Resources – Cagayan (5 parcels)

T & T Resources - Cagayan

J & M Resources - Cagayan

Vanadium Resources - Pangasinan (FTAA)

Altamina – Pangasinan, Ilocos, Cagayan










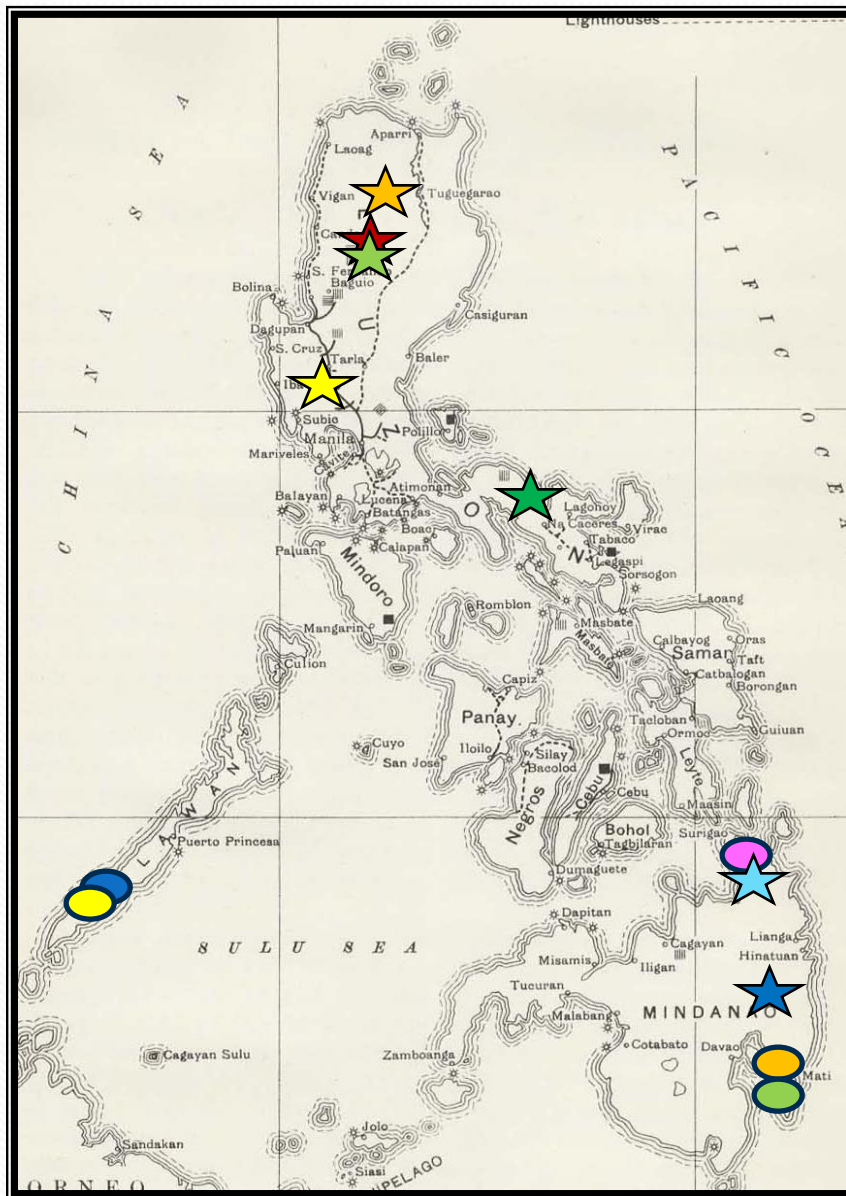
# ADVANCED EXPLORATION / PFS / FS STAGE

## Copper-Gold

- Mt. Labo – Camarines Norte 
- Celsius Resources – Kalinga 
- FSE – Benguet 
- Kinking - Davao 
- Crescent Mining – Benguet 
- LMI – Zambales 
- Phil Alstron – Agusan del Norte 

## Nickel

- Macroasia – Palawan 
- Lebach – Palawan 
- Sinophil – Davao 
- Australasia/Hallmark - Davao 
- Kepha 





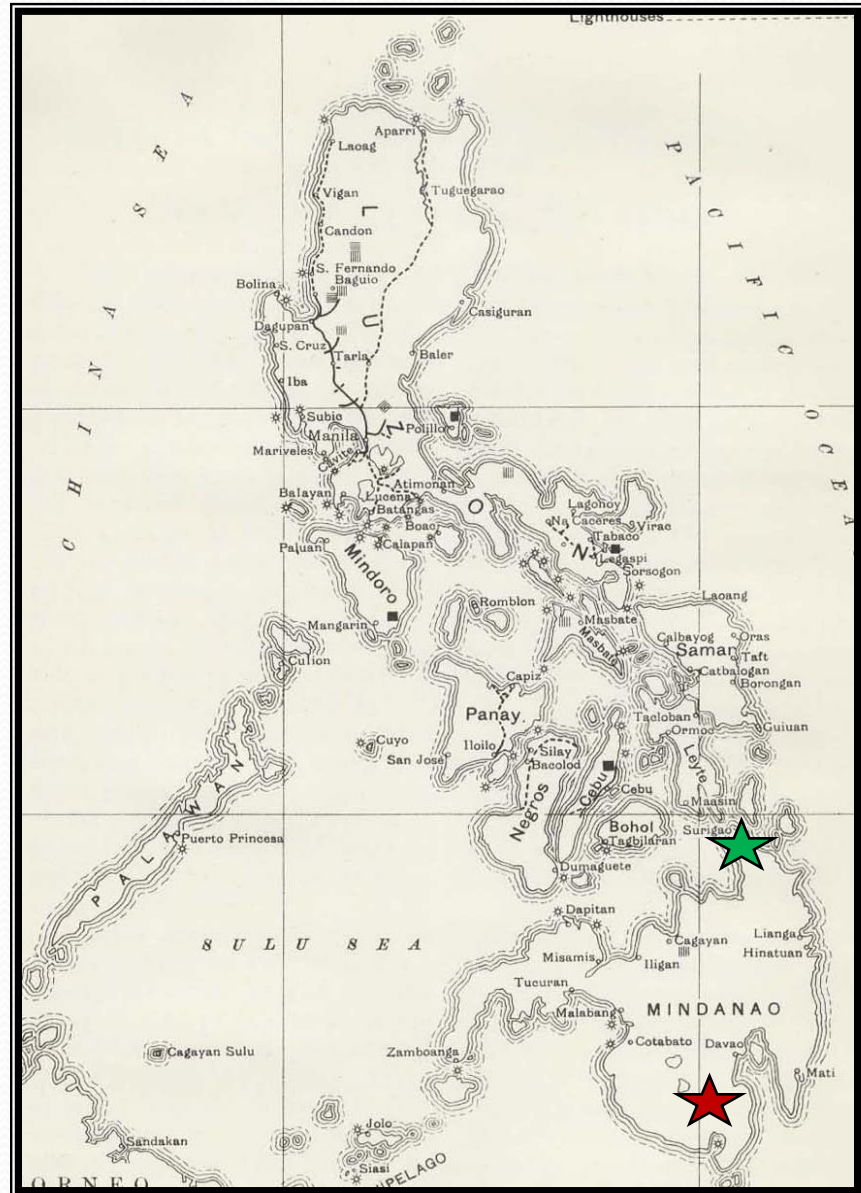
# DEVELOPMENT STAGE

## Philex – Silangan

- Boyungan and Bayugo deposits
- Total Resource (0.5% CuEq cut-off) of 795 Mt @ 0.58g/t Au and 0.47% Cu

## Sagittarius Mines – Tampakan

- Total Resource (0.2% Cu cut-off) of 2.94 Bt @ 0.51% Cu and 0.19g/t Au





# TENEMENT STATISTICS

***(As of August 31, 2023 from MGB Website)***

<b>STATUS</b>	<b>MPSA</b>	<b>EP</b>	<b>FTAA</b>	<b>MPP</b>	<b>ISAG</b>
Active and valid	258	46	6	116	245
With an ongoing court case	1				
Conversion from MLC	0				
Suspended	0				
Under care and maintenance	13				
Under final rehabilitation and decommissioning	7				
For registration	2	2			
Expired with applications for renewal	16	34		5	7
Expired	21	44		50	195
Cancelled with MR	11				
Cancelled	19	1	1	7	14
Consolidated to other mining tenements	9	1			
Relinquished	2				
Withdrawn				1	
<b>TOTAL</b>	<b>359</b>	<b>128</b>	<b>7</b>	<b>179</b>	<b>461</b>

***Note : 6 New EPs approved in August 2023 (since January 2023)***



# CHALLENGES

**Disconnect Between the Various Agencies (DENR/MGB/NCIP/LGU)**

**Moving Goal Posts**

**National vs Local Laws**

**Slow Pace of Approval**

**Strong Anti-Mining Sentiment**

**Land Banking**

**Irresponsible Miners**

**Implementation of Existing Guidelines**

- Automatic renewals
- Approving authority (need for clearances?)
- Deemed approved
- ECC for exploration



# PROPOSED SOLUTIONS

## **TEST REGION**

- Highly prospective geologically
- Good digital tenement information database
- Relatively minor peace and order issues

## **TENEMENT OWNERSHIP**

- Public access to digital data sets
- Use it or Lose it
- NCIP/LGU/DENR-MGB

## **PERMITS ISSUANCES**

- Local issuance
- Public access to the status of permit approvals
- NCIP/LGU/DENR-MGB

## **AIRBORNE GEOPHYSICAL DATA SETS**

## **GRANTS AND LOANS**

## **OVERSIGHT COMMITTEE**

## **WALK THE TALK**





# CONCLUSION

## **Mining Act**

- State owns all the Mineral Resources
- Permittee is a Contractor of the State (EP, MPSA, JVA, CPA or FTAA)

## **PARTNERSHIP**

- State secures all permits
- Permittee brings in the technical and financial expertise and adhering to best practice



PHILIPPINE MINING & EXPLORATION ASSOCIATION INC.

**25<sup>th</sup>**

SEPTEMBER 17, 1998

**YEAR  
ANNIVERSARY  
CELEBRATION**

**THANK YOU.**