

Environmental Destruction Caused by Tin Mining in Bangka Belitung Province, Indonesia Due to Corruption

BAMBANG HERO SAHARJO



IPB University
— Bogor Indonesia —



In summary, the following are the regulations governing mining activities.

- 1. If the mining area is located within a forest zone, a forest area borrowing-use permit must be obtained from the Minister of Forestry.
- 2. An environmental impact analysis must be conducted prior to commencing mining activities.
- 3. Replacement land must be provided.
- 4. Taxes must be paid.
- 5. Mining activities must be conducted with due regard for environmental concerns and in compliance with existing regulations issued by the Ministry of Energy and Mineral Resources.
- 6. Upon completion of mining operations, reclamation must be carried out in accordance with established procedures.
- 7. Mining activities may only be conducted based on the Work Plan and Budget issued by the Ministry of Energy and Mineral Resources.
- 8. Failure to comply with regulations issued by the Ministry of Forestry and the Ministry of Energy and Mineral Resources renders the mining activities illegal.



Fig. Map of Onshore and Offshore Mining Business License (IUP) Distribution in Bangka Belitung Province

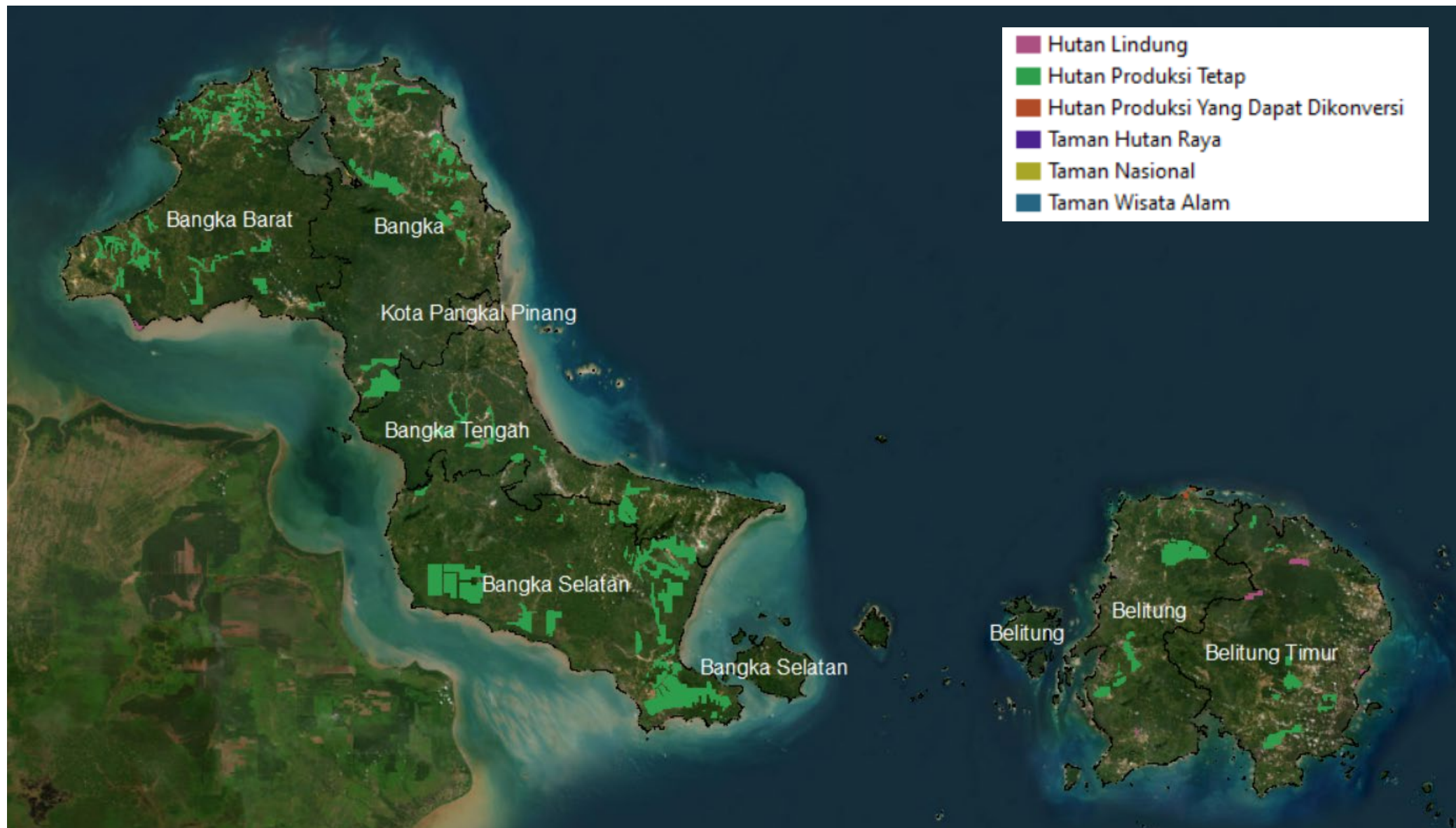


Figure. Map showing the distribution of mining business licenses (IUP) relative to forest area functions in Bangka Belitung Province.

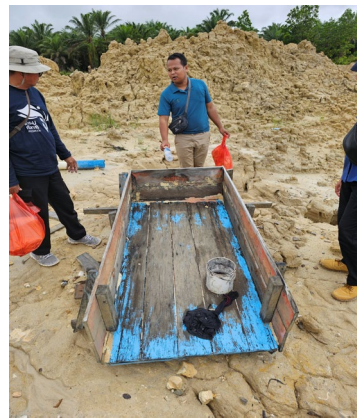
Summary of Onshore and Offshore Mining Business License (IUP) Areas by District in Bangka Belitung Province

No	District	Area (HA)
1	Bangka	76,722.227
2	West Bangka	56,358.218
3	South Bangka	117,088.585
4	Central Bangka	30,808.598
5	Belitung	30,434.148
6	East Belitung	37,535.452
7	Pangkal Pinang City	706.346
Total		349,653.574

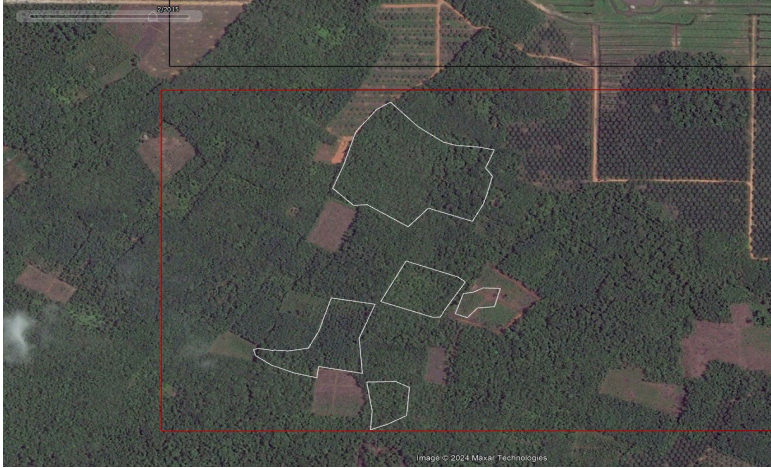
Data on Mining Excavation Areas in Bangka Belitung Province

DISTRICT	AREA (HA)
Bangka	28,479.557
West Bangka	24,836.483
South Bangka	24,372.431
Central Bangka	24,222.049
Belitung	25,180.136
East Belitung	43,175.372
Pangkal Pinang City	97.036
Total	170,363,064





Excavation Site in Cengkong Abang Village, Mendo Barat District, Bangka Regency, Bangka Belitung Islands Province



February 2015



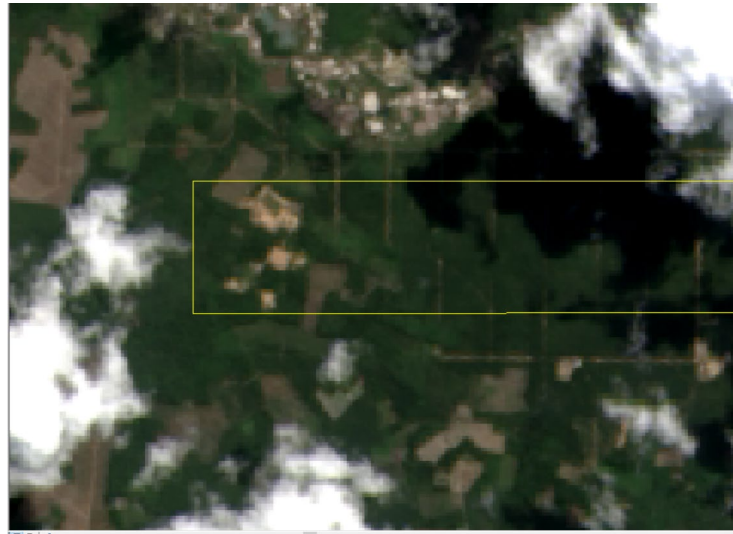
May 2016



2017



2018



2019



August 2020

Data on the Area of Mining Excavations Located Within Forest Areas in Bangka Belitung Province						
DISTRICTS	PROTECTED FOREST	PRODUCTION FOREST	FOREST CONVERSION	Grand Forest Park	NATIONAL PARK	Total
Bangka	1,704.461	9,166.775			306.456	11,177.692
West Bangka	3,137.532	11,122.904		598.765		14,859.201
South Bangka	912.813	11,333.802				12,246.615
Central Bangka	2,815.386	12,511.912		445,115		15,772.413
Belitung	2,762.913	6,797.030	77.830	195.038		9,832.810
East Belitung	2,542.191	8,914.829				11,457.020
Total	13,875.295	59,847.252	77.830	1,238.917	306.456	75,345.751



Of the total mining excavation area of 170,363.064 hectares

- **A. Area of mining operations covered by the Licence (Mining Business License): 88,900.456 hectares**
 - 1. Within forest areas: 32,481.126 hectares
 - 2. Outside forest areas: 54,419.330 hectares
- **B. Area of mining excavations without the Licence(Mining Business License): 81,462.608 ha**
 - 1. Within forest areas: 42,864.625 ha
 - 2. Outside forest areas: 38,597.982 ha

Thus, the total cost of environmental losses resulting from tin mining in the forest area with or without Licence:

• 1. Environmental (ecological) loss costs	Rp 157,832,395,501,025
• 2. Environmental economic loss costs	Rp 60,276,600,800,000
• 3. Environmental restoration costs	Rp 5,257,249,726,025

• Total environmental damage losses	Rp 223,366,246,027,050
• IN US\$: 13,139,190,942.768	

The total cost of environmental damage resulting from tin mining at the non forested area with and without licence:

- | | |
|--|-----------------------|
| • 1. Environmental (ecological) damage costs | Rp 25,870,838,897,075 |
| • 2. Environmental economic loss costs | Rp 15,202,770,080,000 |
| • 3. Environmental restoration costs | Rp 6,629,833,014,575 |
| | ----- |
| • Total environmental damage losses | Rp 47,703,441,991,650 |
|
• IN US\$: 2,806,084.823.038 | |

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