Protected Areas and Gold Mining

Peru’s perspective
## Mining in Peru

<table>
<thead>
<tr>
<th>Productive capacity</th>
<th>Concession area</th>
<th>Minimum production</th>
<th>Other considerations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Great Scale Mining</td>
<td>+ 5000 t/day</td>
<td>1 TU per year and per ha of the concession (metals)</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>+ 2000 ha</td>
<td></td>
<td></td>
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<tr>
<td>Medium Scale Mining</td>
<td>From 350 up to 5000 t/day</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>+ 2000 ha</td>
<td>10% of a TU per year and per ha of the concession (metals)</td>
<td>-</td>
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<tr>
<td>Small Scale mining</td>
<td>Up to 350 t/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 2000 ha</td>
<td>5% of a TU per year and per ha of the concession</td>
<td>Use of manual methods and/or basic equipment</td>
</tr>
<tr>
<td>Artisanal mining</td>
<td>Up to 25 t/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 1000 ha</td>
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</tbody>
</table>

Cooperacción, 2019 and Law N° 27651 (modified by DL N° 1040, Nº 1100 and Nº 1101)
## Illegal and Informal Mining in Peru

<table>
<thead>
<tr>
<th>Illegal Mining</th>
<th>Informal Mining</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using equipment and machinery that does not follow the characteristics of the mining activity that it develops (SM or AM)</td>
<td></td>
</tr>
<tr>
<td>Without complying with the requirements of the administrative, technical, social and environmental regulations governing these activities</td>
<td></td>
</tr>
<tr>
<td>Carried out in prohibited areas (PA, water bodies)</td>
<td>Carried out in areas where mining is not prohibited and by a natural or legal person or group of organized people that have initiated the formalization process</td>
</tr>
</tbody>
</table>

D.L. Nº 1105 and D.L. Nº 1107
Response to illegal mining in Madre de Dios

- **Since 2010**
  Numerous military operations and raids

- **2016**
  Invasion of Tambopata National Reserve, affecting 759 ha

- **Strategy to Fight Illegal Mining in Protected Areas**
  SERNANP
Protected Areas with presence of Mining

In 2017: 7 PA with illegal mining and 8 in their buffer zones
Impacts of gold mining

- Deforestation - Carbon stock loss
- Biodiversity loss
- Desertification
- Mercury emissions
- Child labour
- Human trafficking
- Organized crime
Strategic Actions

1. Identify actions and logistic support for the law enforcement of Illegal Mining in PA
2. Implement actions that will mitigate illegal mining from going into PA
3. Development of sustainable economic activities
4. Recover degraded areas due to illegal mining within the PA
Stakeholders identified by SERNANP
Response to illegal mining in Protected Areas

1. PA WITH ILLEGAL MINING IDENTIFIED

2. RELATED IMPACTS IDENTIFIED
   Environmental impacts, biodiversity loss, organized crime, human trafficking, child labor, etc

3. STRATEGIC ACTIONS DEFINED

4. STAKEHOLDERS IDENTIFIED
   Government agencies, NGOs, academia, international cooperation, etc
Response to illegal mining in Protected Areas

Multisectoral Commission to monitor government’s actions against illegal mining (created 2012)

- PCM
- MINAM
- MINCU
- Ministerio de Defensa
- Ministerio de Relaciones Exteriores
- Asamblea Nacional de GORE

- MINEM
- MINAGRI
- Ministerio del Interior
- MEF
- SUNAT
Response to illegal mining in Protected Areas

Operación “Mercurio 2019” permitirá restituir el principio de autoridad en La Pampa

Nota de Prensa

Ministro del Interior destaca valiente decisión del Gobierno del presidente Vizcarra de intervenir ante minería ilegal en Madre de Dios.

Holistic approach:

- Law enforcement
- Development of formal economic activities
- Social problems
Protected Areas with presence of Mining

2019: 4 PA with illegal mining and 6 in their buffer zones

By 2021, no illegal mining in PA and buffer zone

More military operations to come (Bahuaja Sonene, Amarakaeri, etc)
Challenges

- Invasion of other areas
  Protected Areas and other pristine forest under threat

- Coordination among government agencies
  Economic activities still in formulation process

- Long run investment
  Ideas that take time, resources, capacity building

- Impacts previously not taken into account
  Ecosystem integrity in danger
Challenges

Malinowski River Course Modification

DICIEMBRE 2015  JUNIO 2016  SETIEMBRE 2019

Azul Control Post