

PORT
d'EHOALA

INTRODUCTIONS

- Rio Tinto
- QIT
- QMM SA
- Mandena JV (MJV)
- Baird & Associates

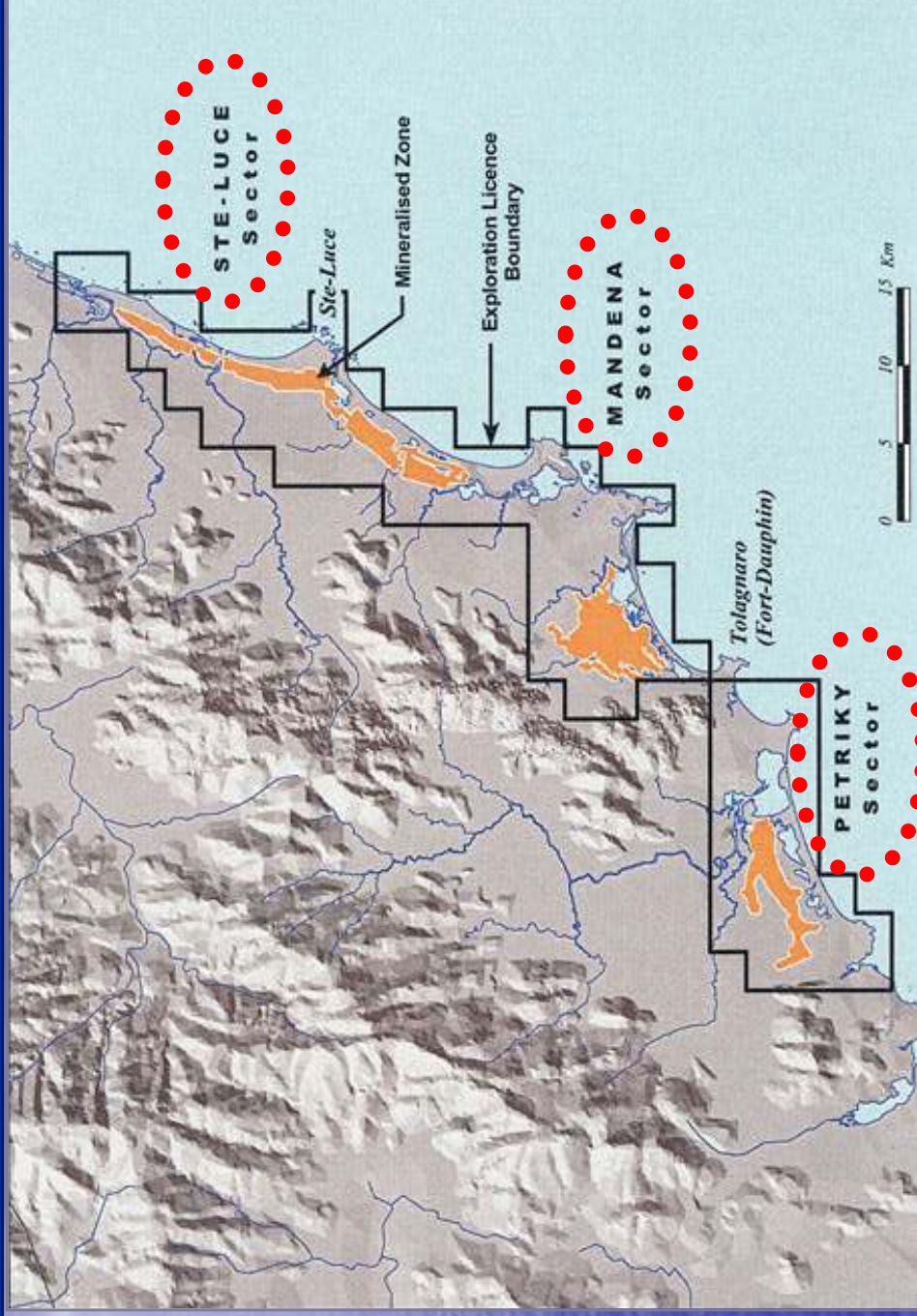
PROJECT HISTORY

- Why Madagascar ?
- Why Now ?
- Background & History to Date

LOCATION



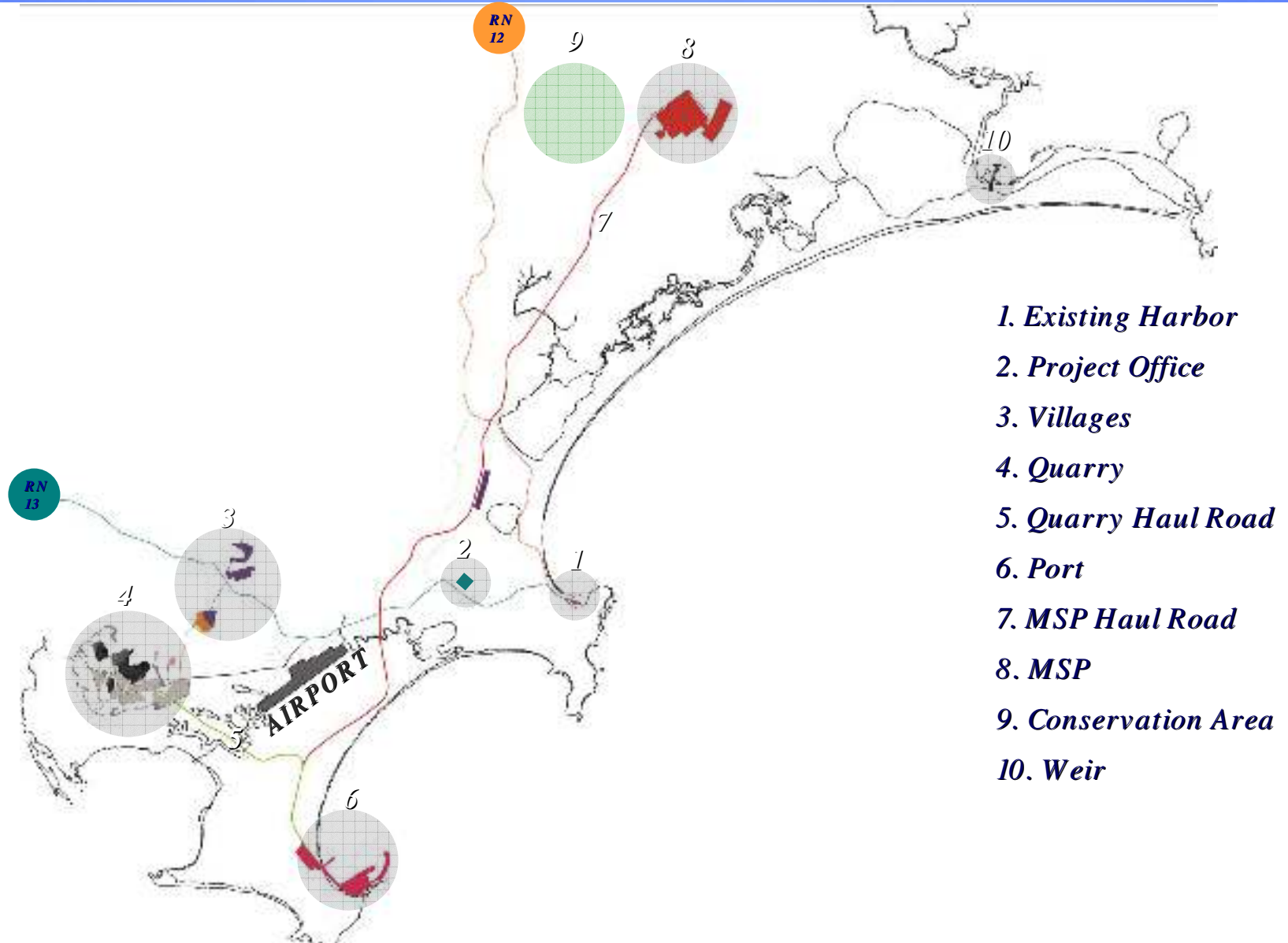
MINING REGIONS



SCOPE

- Mining Plant
- Mineral Separation Plant
- Main Site Infrastructure
- Port Works – Marine Works
- Port infrastructure Works
- Other Infrastructure

SITE OVERVIEW (FORT DAUPHIN)



- 1. Existing Harbor*
- 2. Project Office*
- 3. Villages*
- 4. Quarry*
- 5. Quarry Haul Road*
- 6. Port*
- 7. MSP Haul Road*
- 8. MSP*
- 9. Conservation Area*
- 10. Weir*

Fort Dauphin Existing Infrastructure

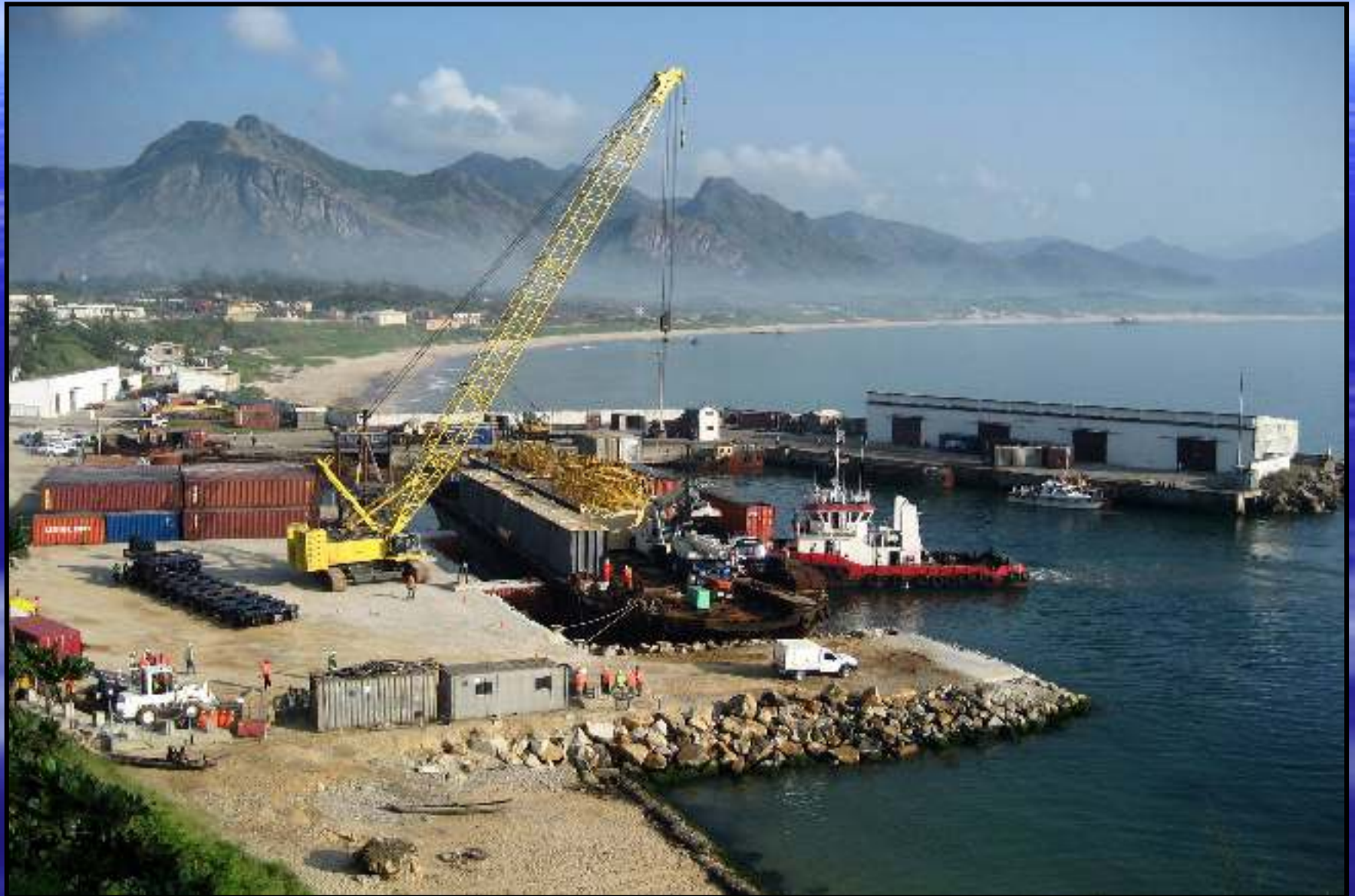




QUARRY ACCESS ROAD



EXISTING HARBOUR



Villages

PIONEER VILLAGE

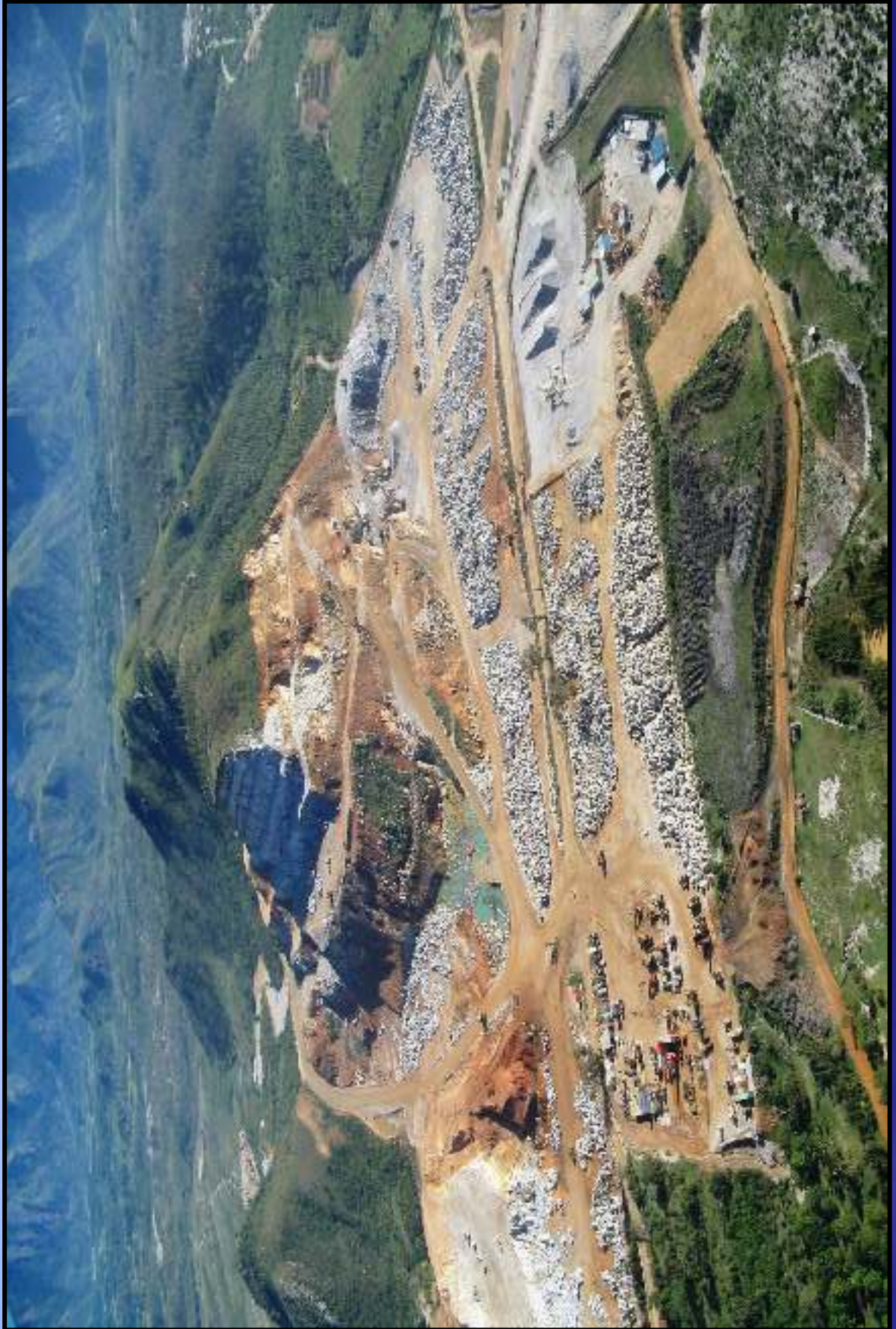


JOHNSON'S VILLAGE



Quarry

SITING OVERVIEW



NORTH HILL (Grüzzlies)



Quarry Haul Road

HAUL ROAD (Dune)



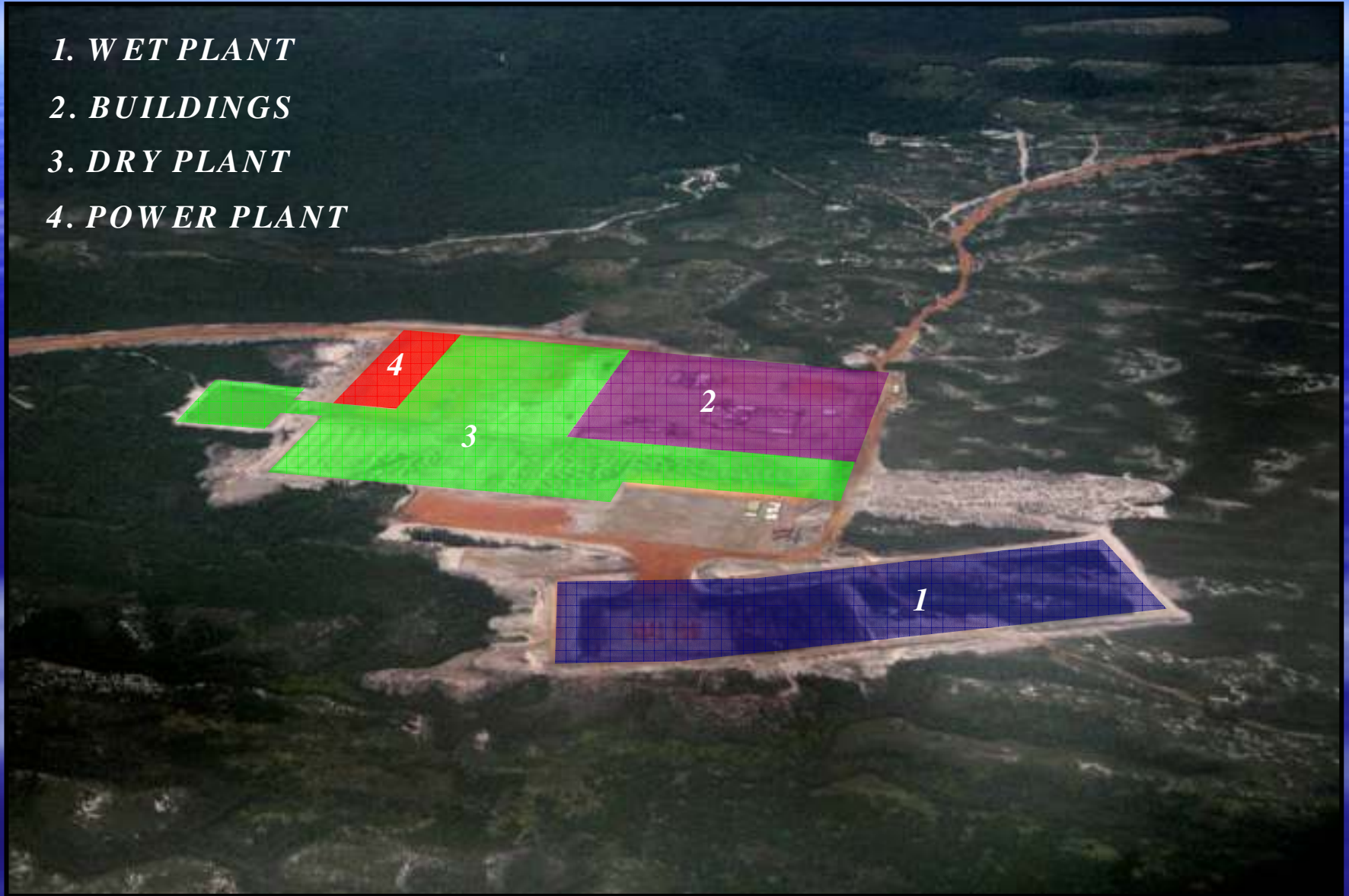
HIAUL ROAD (Rehabilitation)



MSP
(Mineral Separation Plant)

MISP SITE OVERVIEW

- 1. WET PLANT*
- 2. BUILDINGS*
- 3. DRY PLANT*
- 4. POWER PLANT*



WET PLANT (Pontoon)



WETT PILANNT



IDRY PLANT (IDry Mill IDrainage)



DRY PLANT (Dry Mill)



MISP



Weir



Port

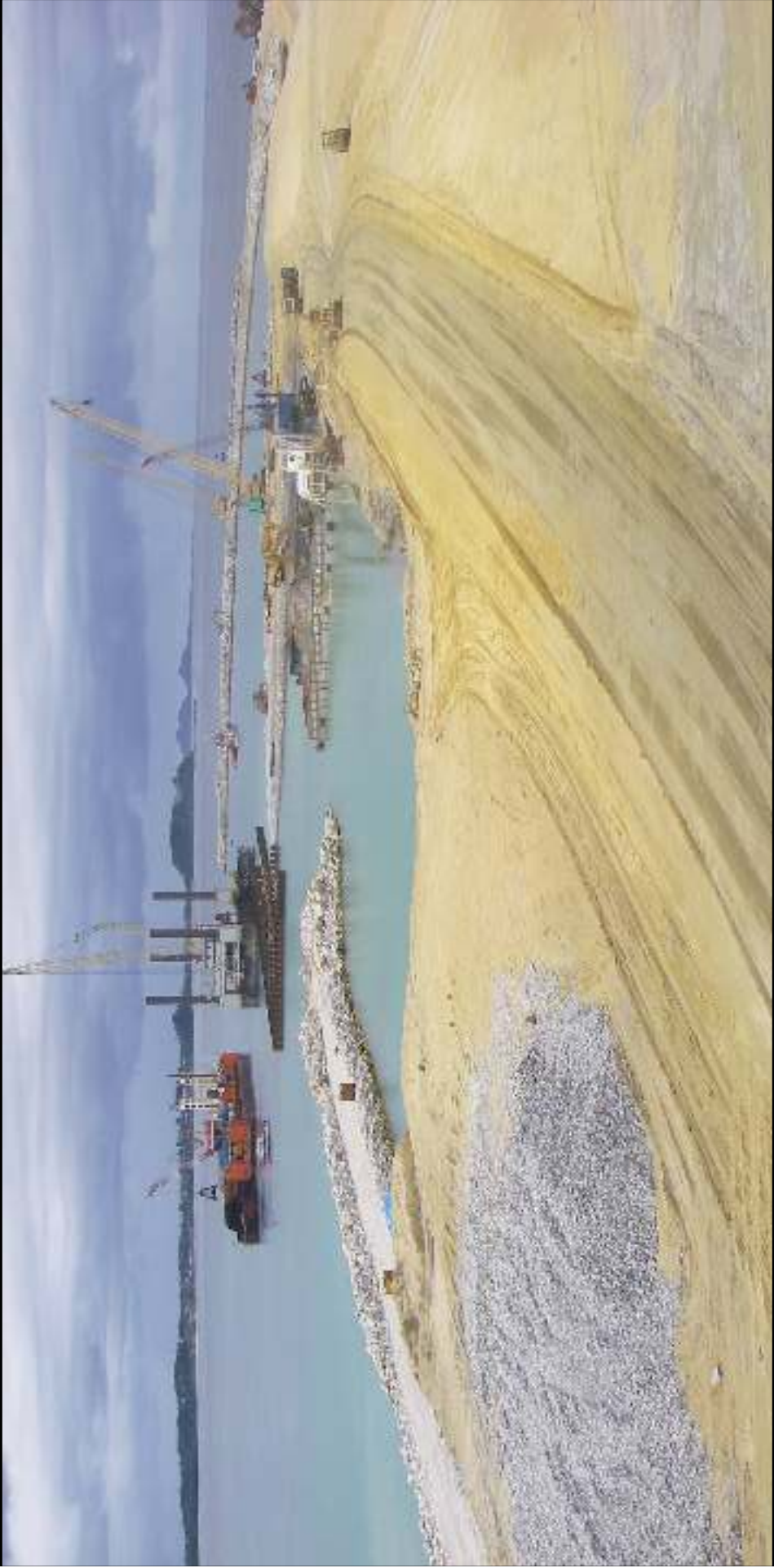
ACCIE'S ROAD



RECYCLAMATION



PORT



DIRIEDGING



IPILLING



PORT



PORT



Port d'Ehoala

- World Bank interest
- Tender Process
- Contractor selection
- The Engineer
- The Contractor

Why a Dispute Board?

- Not Rio Tinto expertise
- Large portion of work
- Critical to overall Project schedule
- World bank influence
- Project is under world's microscope
- Unknown contractor

Risks

- Capability of contractor
- Attitude of contractor
- Quarry Conditions
- Sea bed geology
- Dredging capability

Choice of DRB

- Known and unknown personalities
- Lack of experience
- Suitable candidates

Experience to date

- Regular visits to site
- Kept up to date by website
- Team come well prepared
- Nothing to resolve

Future of the DRB

- Critical risks resolved
- Excellent relationships created
- Problems solved on daily basis
- No future disputes foreseen
- Cost is too high for reward so need to cut back

What would we do differently

- Clear indication of costs at tender stage
- Make allowance in documents
- Reduce number of visits

What could you do better

- Process is not clear to the uninitiated
- Have lists of suitable candidates
- Fix costs or fees for the year
- Make proper provision in FIDIC and other contracts to allow for the costs to be included.

FORT DAUPHIN

