

Rio Tinto

Our contribution on
biodiversity



Our goals

- Protect the unique biodiversity of the area where we work and achieve a net positive impact (NPI) on biodiversity with the full participation of the community. QMM is currently piloting the Rio Tinto biodiversity strategy and NPI calculations.
- Rehabilitate and restore the land and the ecosystems affected by our operations and activities

Contribution on biodiversity conservation and management of natural resources

- Legal documents produced to manage biodiversity (SEIA*, EMP*, SEMP*, BAP*, LUMP*)
- Management of 620 ha of protected areas inside mine site already included under legal status (SAPM*)
- Management of 31,275 ha of biodiversity offsets (protected areas under legal status)

SEIA: Social and environmental impact assessment

EMP: Environmental management plan

SEMP: sectorial environmental management plan (port, mine, quarry, ...)

BAP: Biodiversity action plan

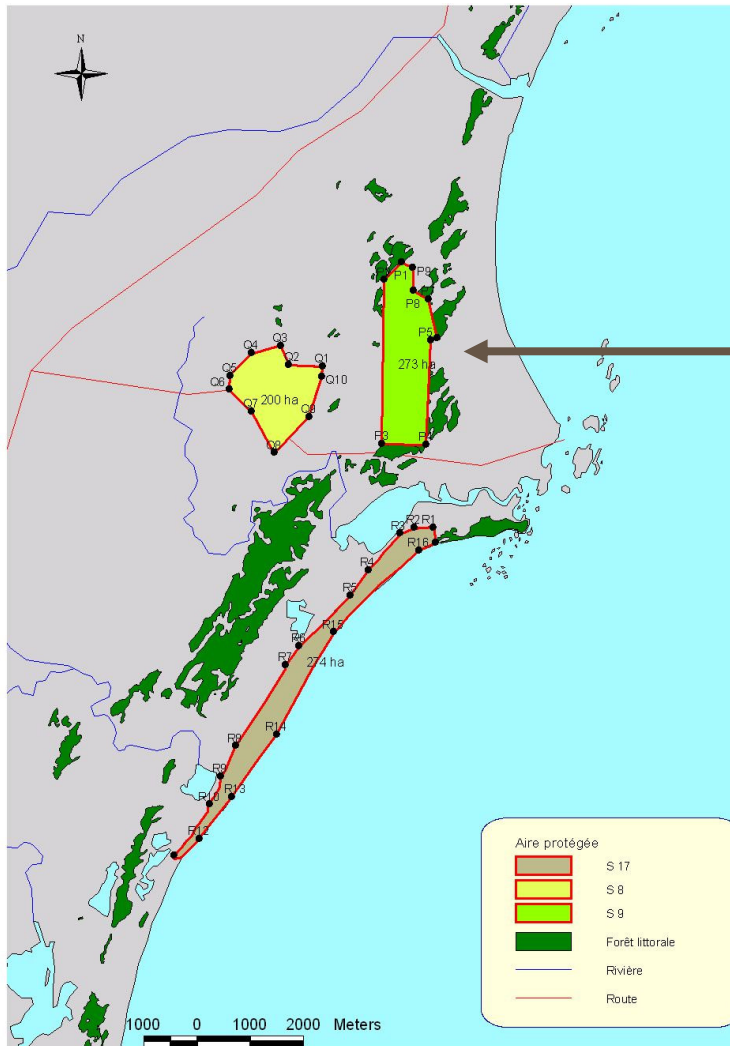
LUMP: Land use management plan

SAPM: Système des aires protégées de Madagascar

Contribution on biodiversity conservation and management of natural resources

- Biodiversity monitoring indicator assessment program on-going at the port, road and mine site
- Biodiversity based small enterprises set up and operational
 - Vegetable crops on composts (1200 villagers producing 1 - 2 tons/month)
 - Bee keeping and honey production (200 litres/month) and over 100 villagers organized
 - Vetiver production for erosion control (2.5 M trees produced by associations for road stabilisation)

Protected areas created from 2002



- Inside the mine deposit (avoidance)
 - Mandena 230 ha
 - Ste Luce: 270 ha
 - Petriky: 120 ha
- Outside the mine deposit (offset)
 - Ste Luce: 475 ha
 - Ambatotsirongorongo: 800 ha
 - Tsitongambarika: 30000 Ha

Achievement on rehabilitation and ecological restoration

- Management of 2 nurseries – capacity 250,000 trees/year produced and reforested with partners in the region (DREEFT, USAID)
- 2002 – 2008: 700 ha planted by QMM and 300 ha with the region and partners (over 1M trees). Survival rate at 85%
- Rehabilitation work at all construction sites and at the mine site
- Endemic species produced in nursery (20,000) and used for ecological restoration trials after mining. 2008 = 4 ha forest restoration

Some of our biodiversity actions with partners

- Partnership match fund with USAID (6M\$ / 3 yrs) – Forest conservation, reforestation, social issues, etc.)
- Book on littoral ecosystem biodiversity produced by 70 authors (QMM, biodiversity partners, students, researchers, etc.)
- Flora field guide completed at 70% (MBG and KEW)
- Long term seed conservation: seeds lots sent to Millenium Seed Bank at KEW since 2005
- Rio Tinto Bird watching event: 1500 people attended in 2007 (in collaboration with BirdLife)
- Biodiversity offsets: implementation with BirdLife, Wildlife Conservation Society, USAID, Conservation International, WWF, Malagasy Government, ...)
- Biodiversity independent advisory committee meeting – times/yr 10 members