

# PERU'S MINE CLEARANCE REPORT



# 1663 ELECTRICITY DISTRIBUTION TOWERS

54,579  
MINES  
REMAIN





**CICITEC MINES  
PLACED BETWEEN 1989-1993**



**APM DEXA MADE BY THE POLICE UNTIL 1994 TO PREVENT  
TERRORIST ATTACKS ON PUBLIC INFRASTRUCTURE**



# PROGRESS

**1999: 30,000 APM CLEARED**

**2000:**

**178 TOWERS = 9,186**

**APM CLEARED**

**ONE POWER GENERATION**

**PLANT = 5,551 APM CLEARED**

# NORTHERN BORDER APROX. 120,000 APM REMAIN



# HOME TO NATIVE PEOPLE





# APROX. 80,000 NOMADIC PEOPLE



45,000 Aguaruna 5,545 huambiza 4,719 Achual

# HOME TO OTHER SETTLERS



10,526 Quichua 3,409 Secoya

# BIODIVERSITY



**40 rivers**

**26 new orchids**

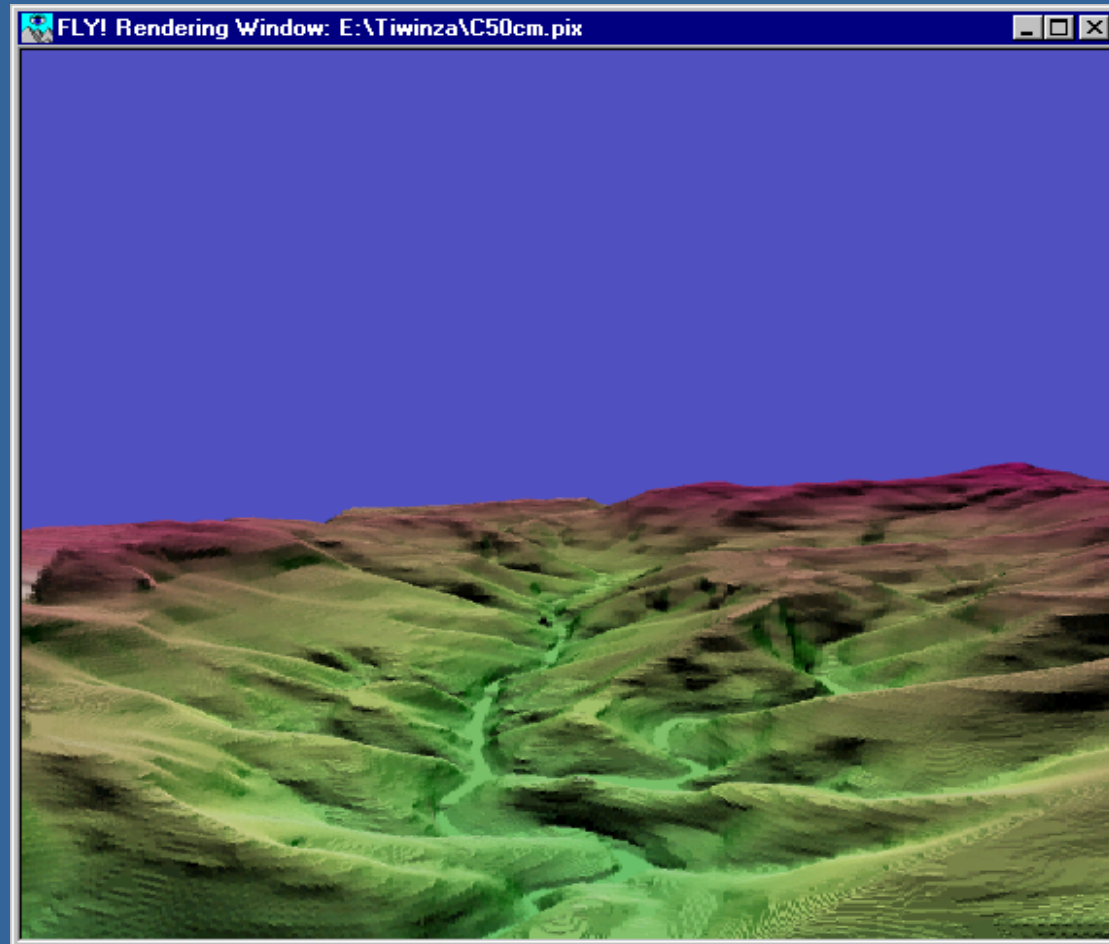
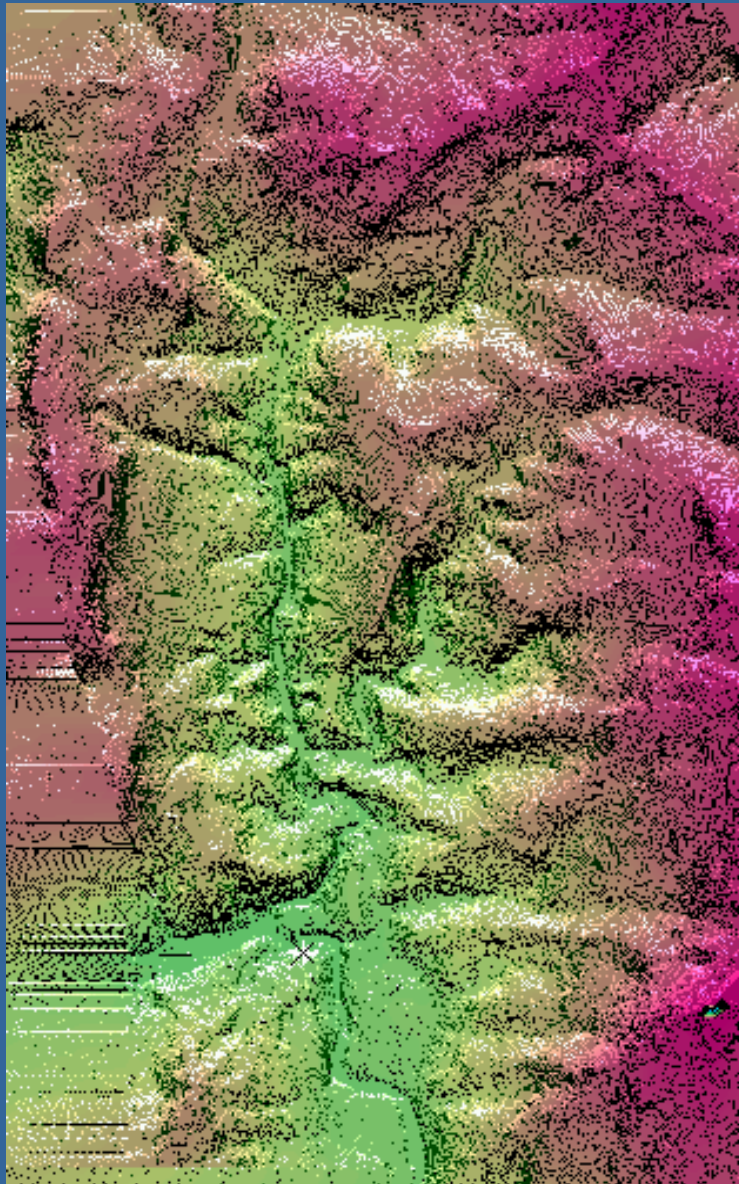
**4 new fish**

**10% new butterflies**

**200 species of birds**



# DIFFICULT TOPOGRAPHY



- ACCESS BY AIR ONLY
- COVERED BY DENSE VEGETATION



# TROPICAL WEATHER



# IT RAINS ALMOST EVERYDAY



# SOIL: CLAY AND MINERALS





# DENSE & TALL TREES





# DENSE LOWER VEGETATION & INSECTS



# ACCESS BY AIR



# NATIONAL CAPACITY BUILDING

## DEMINERS

- WE HAVE ONE SPECIALISED ARMY DEMINING UNIT, MADE UP OF 140 MEN BASED IN THE AMAZONAS PROVINCE IN NORTHERN PERU, IN CHARGE OF CLEARING MINES ALONG THE NORTHERN BORDER WITH ECUADOR.
- IN ADDITION, THERE IS ONE DEMINING UNIT WITHIN THE NATIONAL POLICE, IN CHARGE OF DEMINING HIGH TENSION PYLONS IN URBAN AREAS
- WE ARE TRAINING AND WANT TO EQUIP 3 MORE DEMINING ARMY UNITS AND 1 POLICE DEMINING UNIT
- MORE INTERNATIONAL SUPPORT FOR TRAINING & EQUIPMENT IS REQUIRED



# TRAINING: USA TEAM





# TRAINING: SPANISH TEAM



# **NATIONAL CAPACITY BUILDING**

## **EQUIPMENT DONATED BY CANADA, SPAIN, USA & JAPAN**

- **MINE DETECTORS**
- **PROBES**
- **RAPPEL CORDS**
- **REFRIGERATED PROTECTION SUITS**
- **COMPUTERS y GPS**

# PROTECTION SUITS





**WE NEED 100 MORE LIGHT  
PROTECTION GEAR PLUS 500  
BOOTS & OVERBOOTS PLUS  
100 FOOT PROTECTION  
SYSTEMS**

# MINE DETECTORS

## WE NEED 100 MORE PLUS 500 PROBES



the quality control system used in the



# OPERATIONAL COSTS

- **INTERNATIONAL SUPPORT = US\$5 MILLION IN TRAINING & EQUIPMENT**
- **NATIONAL SUPPORT: DEMINERS SALARIES, FOOD, INSURANCE & TRANSPORT = US\$ 6 MILLION**
- **WE NEED MORE SUPPORT FOR INSURANCE & FUEL**



# BASIC DEMINER'S FACILITIES





# THE PERUVIAN METHOD



# METAL PLATFORMS





# CLEARING PATHS WITH “JERGON” EXPLOSIVE



# CHECKING CLEARANCE OF PATHS





# CLEARING CAMP SITE





# ACCOMPLISHED CLEARANCE PROJECTS



- BOUNDARY DEMARCATION
- ROAD TO KM2 IN TIWINZA

# BOUNDARY DEMARCATION MINE CLEARANCE



- JANUARY-APRIL  
1999
- 140 DEMINERS
- 82,410 m<sup>2</sup>  
CLEARED
- 438 APM

# BOUNDARY DEMARCATION & CLEARANCE TEAM

*Saludo protocolar del General José Villanueva al mandatario ecuatoriano, en la línea de frontera.*



*Integrantes de la Comisión Demarcadora de Límites para la Demarcación de la Frontera Terrestre Común Perú-Ecuador.*



# ROAD BUILDING & DEMINING

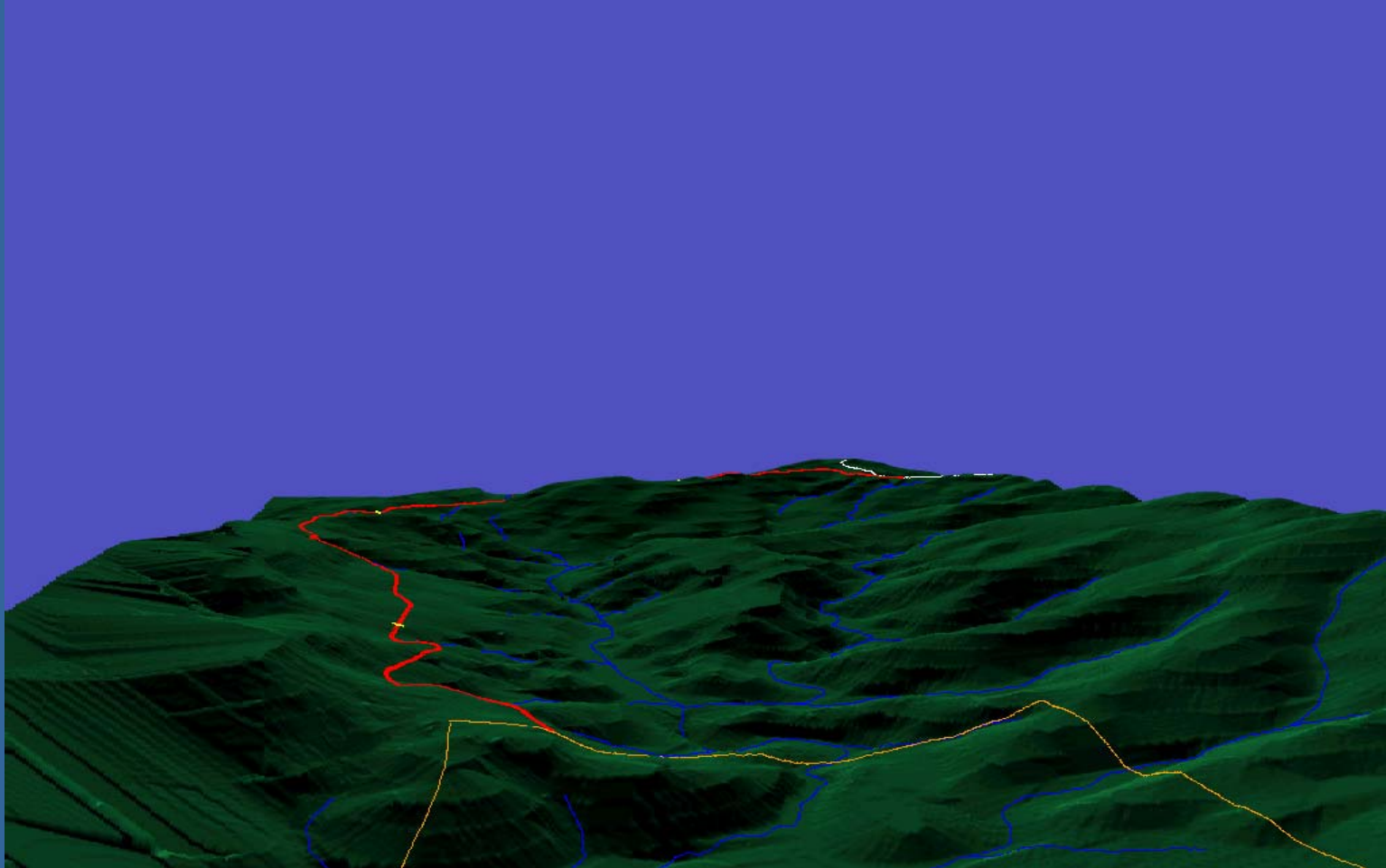


# ROAD BUILDING & DEMINING



- **OCTOBER 1999  
TO MARCH 2000**
- **140 DEMINERS**
- **315,000 m<sup>2</sup>  
CLEARED**
- **963 APM**

# 10KM ROAD FROM ECUADOR TO KM<sup>2</sup> IN TIWINZA





# **PROJECTS IN NEED OF ASSISTANCE**

- **ZARUMILLA CHANNEL 18 KM**
- **CENEPA VALLEY AREA - OEA**
- **RIVER SANTIAGO ROAD**
- **HIGH TENSION TOWERS**