

ALTO CHICAMA PROJECT
LAS LAGUNAS NORTE

Trujillo, Peru
10 November 2004

BARRICK PERU

Building Mines
Building Value

FORWARD LOOKING STATEMENT

Certain statements included herein, including those regarding production, costs, development schedules and other statements that express management's expectations or estimates of our future performance, constitute "forward-looking statements" within the meaning of the United States Private Securities Litigation Reform Act of 1995. The words "believe", "expect", "anticipate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will", "schedule", and similar expressions identify forward-looking statements. Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by management are inherently subject to significant business, economic and competitive uncertainties and contingencies. We caution you that such forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual financial results, performance or achievements of Barrick to be materially different from our estimated future results, performance or achievements expressed or implied by those forward-looking statements and our forward-looking statements are not guarantees of future performance. These risks, uncertainties and other factors include, but are not limited to: changes in the worldwide price of gold or certain other commodities (such as silver, copper, diesel fuel and electricity) and currencies; changes in interest rates or gold lease rates that could impact realized prices under our forward sales program; legislative, political or economic developments in the jurisdictions in which Barrick carries on business; operating or technical difficulties in connection with mining or development activities; the speculative nature of gold exploration and development, including the risks of diminishing quantities or grades of reserves; and the risks involved in the exploration, development and mining business. These factors are discussed in greater detail in Barrick's most recent Form 40-F/Annual Information on file with the U.S. Securities and Exchange Commission and Canadian provincial securities regulatory authorities.

Barrick expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, events or otherwise.

BARRICK PERU

Building Mines
Building Value

LAS LAGUNAS NORTE
AGENDA

- Project Overview
- Geology & Reserves
- Construction Update
  - Infrastructure
  - Mine Division
  - Process Division
  - Administration

BARRICK PERU

Building Mines
Building Value

PROJECT OVERVIEW

BARRICK PERU

Building Mines
Building Value

PROJECT LOCATION



BARRICK PERU

Building Mines
Building Value

PROJECT LOCATION



BARRICK PERU

Building Mines
Building Value

HISTORY

- Barrick became interested in property in 1998
- 15 companies looked at the property
- Barrick only company to bid
- Drill program began in 2001
- Initial resource calculation Apr. 2002: 3.5 Moz
- Initial reserve calculation in Dec. 2002: 6.5 Moz
- Current reserve calculation: 7.2 Moz

BARRICK PERU

Building Mines
Building Value

PROJECT HIGHLIGHTS

Project status	: 55% complete
	: 1st gold pour 2005 H2
Reserves	: 144 Mt (metric) @ 1.54 g/t
	: 159 Mt (short) @ 0.045 oz/t
	: 7.2 Moz (in-situ)
Annual production (LOM Average)	: 535,000 – 560,000 oz/yr
Cash costs (LOM Average)	: $135/oz - $145/oz
Initial capital	: $340M

BARRICK PERU

Building Mines
Building Value

CONSTRUCTION
Capital Cost

	US$ (millions)
Mining	72
Process plant and heap leach	58
Infrastructure / owner's cost	146
Indirect cost	19
Contingency	45
Total capital cost	340

BARRICK PERU
Building Mines
Building Value

PROJECT HIGHLIGHTS

- Operating Costs (LOM Average Range)
  - Mining : $1.07/t - $1.18/t
  - Process : $1.51/t - $1.55/t
  - G&A : $0.95/t – $0.96/t

BARRICK PERU
Building Mines
Building Value

PROJECT SAFETY STATISTICS

- Total project man-hours to date > 3.5 million
- Lost time incident rate of 0.13
- Total project workforce of 4,145 people
- Hours worked since last LTA > 1 million

BARRICK PERU

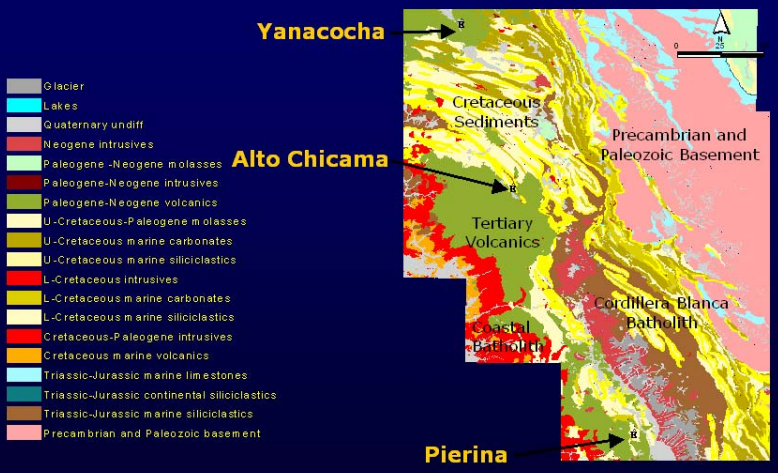
Building Mines
Building Value

GEOLOGY & RESERVES

BARRICK PERU

Building Mines
Building Value

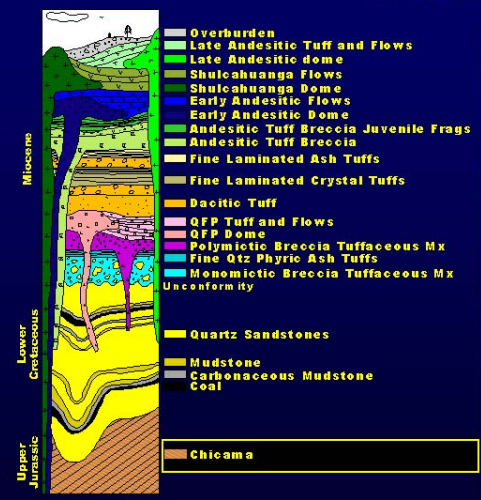
REGIONAL GEOLOGY



BARRICK PERU

Building Mines
Building Value

SURFACE GEOLOGY

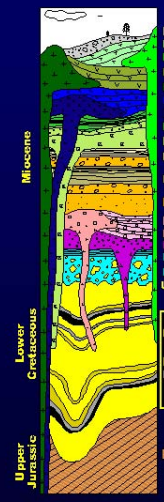




BARRICK PERU

Building Mines
Building Value

SURFACE GEOLOGY



- Overburden
- Late Andesitic Tuff and Flows
- Late Andesitic dome
- Shulcahuanga Flows
- Shulcahuanga Dome
- Early Andesitic Flows
- Early Andesitic Dome
- Andesitic Tuff Breccia Juvenile Frags
- Andesitic Tuff Breccia
- Fine Laminated Ash Tuffs
- Fine Laminated Crystal Tuffs
- Dacitic Tuff
- QFP Tuff and Flows
- QFP Dome
- Polymictic Breccia Tuffaceous Mx
- Fine Qtz Phyric Ash Tuffs
- Monomictic Breccia Tuffaceous Mx

Unconformity

- Quartz Sandstones
- Mudstone
- Carbonaceous Mudstone
- Coal

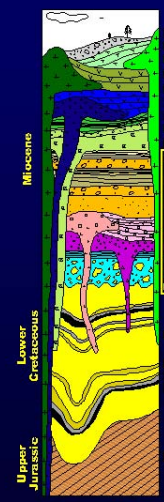
- Chicama



BARRICK PERU

Building Mines
Building Value

SURFACE GEOLOGY

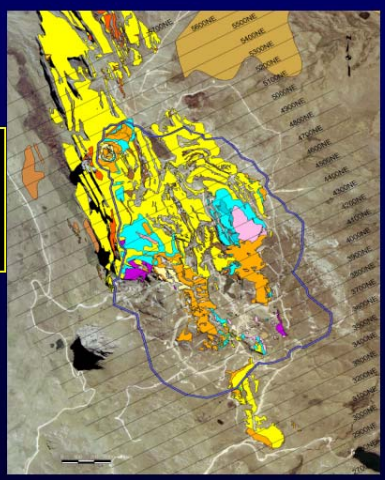


- Overburden
- Late Andesitic Tuff and Flows
- Late Andesitic dome
- Shulcahuanga Flows
- Shulcahuanga Dome
- Early Andesitic Flows
- Early Andesitic Dome
- Andesitic Tuff Breccia Juvenile Frags
- Andesitic Tuff Breccia
- Fine Laminated Ash Tuffs
- Fine Laminated Crystal Tuffs
- Dacitic Tuff
- QFP Tuff and Flows
- QFP Dome
- Polymictic Breccia Tuffaceous Mx
- Fine Qtz Phyric Ash Tuffs
- Monomictic Breccia Tuffaceous Mx

Unconformity

- Quartz Sandstones
- Mudstone
- Carbonaceous Mudstone
- Coal

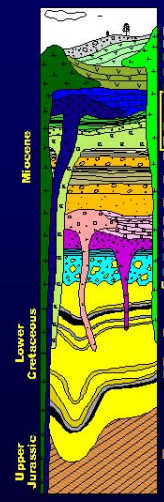
- Chicama



BARRICK PERU

Building Mines
Building Value

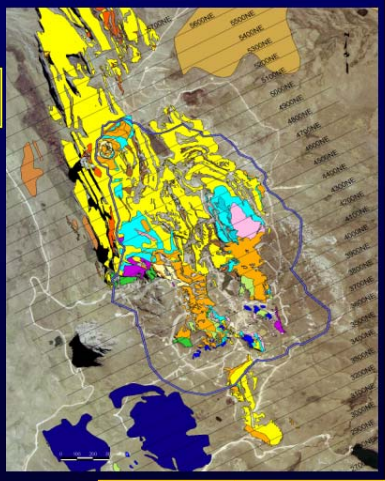
SURFACE GEOLOGY



- Overburden
- Late Andesitic Tuff and Flows
- Late Andesitic dome
- Shulcahuanga Flows
- Shulcahuanga Dome
- Early Andesitic Flows
- Early Andesitic Dome
- Andesitic Tuff Breccia Juvenile Frags
- Andesitic Tuff Breccia
- Fine Laminated Ash Tuffs
- Fine Laminated Crystal Tuffs
- Dacitic Tuff
- QFP Tuff and Flows
- QFP Dome
- Polymictic Breccia Tuffaceous Mx
- Fine Qtz Phyric Ash Tuffs
- Monomictic Breccia Tuffaceous Mx

Unconformity

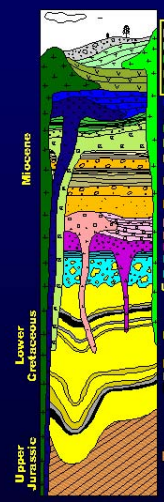
- Quartz Sandstones
- Mudstone
- Carbonaceous Mudstone
- Coal
- Chicama



BARRICK PERU

Building Mines
Building Value

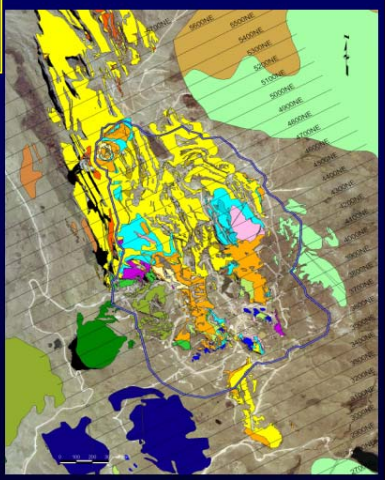
SURFACE GEOLOGY



- Overburden
- Late Andesitic Tuff and Flows
- Late Andesitic dome
- Shulcahuanga Flows
- Shulcahuanga Dome
- Early Andesitic Flows
- Early Andesitic Dome
- Andesitic Tuff Breccia Juvenile Frags
- Andesitic Tuff Breccia
- Fine Laminated Ash Tuffs
- Fine Laminated Crystal Tuffs
- Dacitic Tuff
- QFP Tuff and Flows
- QFP Dome
- Polymictic Breccia Tuffaceous Mx
- Fine Qtz Phyric Ash Tuffs
- Monomictic Breccia Tuffaceous Mx

Unconformity

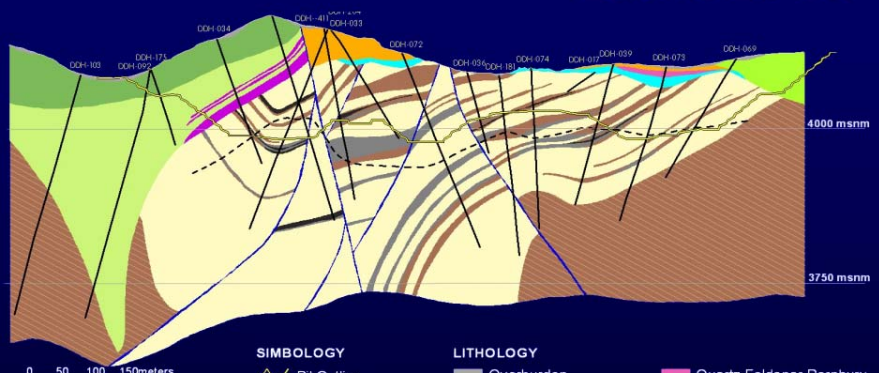
- Quartz Sandstones
- Mudstone
- Carbonaceous Mudstone
- Coal
- Chicama



BARRICK PERU

Building Mines
Building Value

LITHOLOGY



0 50 100 150meters

Section 4200

SIMBOLOGY

- Pit Outline
- Drill Hole
- Oxide/Sulfide Contact

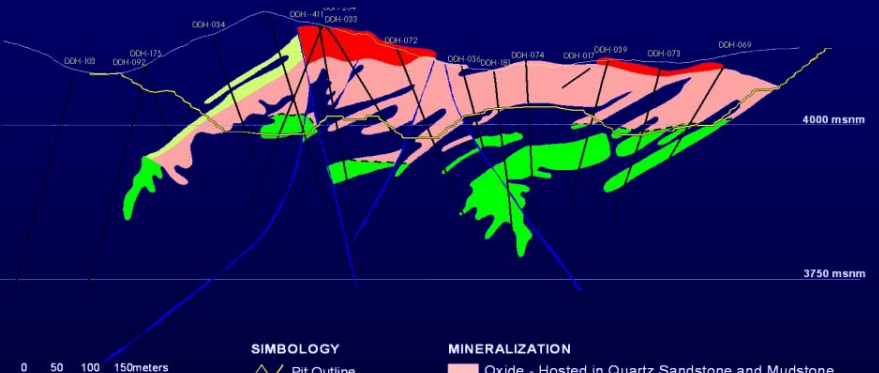
LITHOLOGY

- Overburden
- Postmineral Andesite
- Shulcahuanga Andesite
- Diatreme
- Sinter
- Volcanoclastic
- Dacitic Tuff
- Dafne Breccia
- Quartz Feldspar Porphyry
- Paleosurface Breccia
- Sandstone
- Siltstone, Mudstone
- Carbonaceous Mudstone
- Coal
- Chicama Fm.
- Fault

BARRICK PERU

Building Mines
Building Value

MINERALIZATION



0 50 100 150meters

Section 4200

SIMBOLOGY

- Pit Outline
- Drill Hole
- Oxide/Sulfide Contact

MINERALIZATION

- Oxide - Hosted in Quartz Sandstone and Mudstone
- Oxide - Hosted in Volcanics
- Sulfide - Hosted in Quartz Sandstone and Mudstone
- Sulfide - Hosted in Volcanics
- Fault

BARRICK PERU

Building Mines
Building Value

IN-PIT RESOURCES & RESERVES

	(Gold ounces x 1,000)
Total in pit resource (MII)	8,344
– sulphide	29
– carbonaceous + buffer zones	654
	7,661
– in pit inferred	506
Current reserve	7,155
Gold grade	1.54 g/t
Silver grade	3.71 g/t

Cutoff: 0.36 g/t Au equivalent

BARRICK PERU

Building Mines
Building Value

IN-PIT RESERVE DETAILS

Material Moved

- Ore tonnes (kt) 144,470
- Waste tonnes (kt) 153,946
- Total tonnes (kt) 298,416

Metal Grades

- Au grade (g/t) 1.54
- Ag grade (g/t) 3.71

Metal Contained

- Au (oz x 1000) 7,155
- Ag (oz x 1000) 17,238

BARRICK PERU

Building Mines
Building Value

CONSTRUCTION UPDATE

BARRICK PERU

Building Mines
Building Value

INFRASTRUCTURE
Access Road



- 71 km access road upgrade from Otuzco
- $11 M cost
- Inaugurated August 2004

BARRICK PERU

Building Mines
Building Value

INFRASTRUCTURE
Access Road

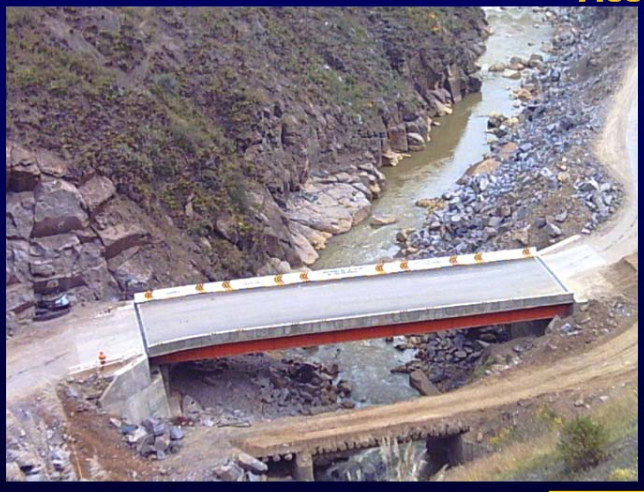


Panoramic view of the commencement of the Otuzco-Alto Chicama roadway – Km 0+000

BARRICK PERU

Building Mines
Building Value

INFRASTRUCTURE
Access Road

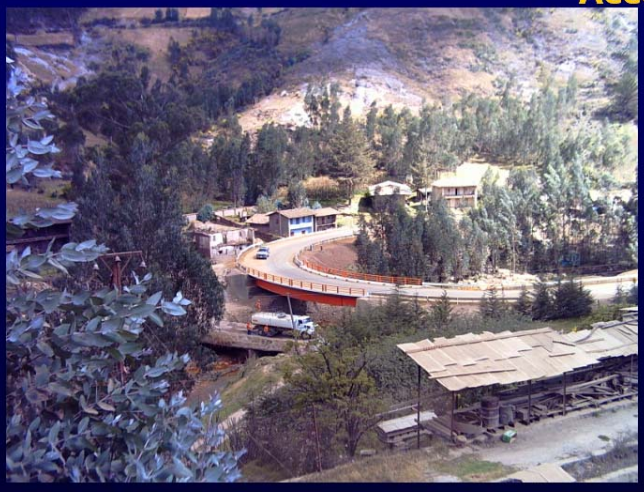


Comparison of the old and new Moche Bajo Bridges – Km 0+800

BARRICK PERU

Building Mines
Building Value

INFRASTRUCTURE
Access Road



Panoramic view of the Moche Medio Bridge Km 20+700

BARRICK PERU

Building Mines
Building Value

INFRASTRUCTURE
Access Road



Compacted road surface Km 23+800

BARRICK PERU

Building Mines
Building Value

INFRASTRUCTURE
Power Line



- 97 km of 138 kV power line from Trujillo
- Requires 230 towers
- Estimated $7M cost
- 70% complete
- Energize in March 2005

BARRICK PERU

Building Mines
Building Value

INFRASTRUCTURE
Power Line





BARRICK PERU

Building Mines
Building Value

INFRASTRUCTURE
Power Line



BARRICK PERU

Building Mines
Building Value

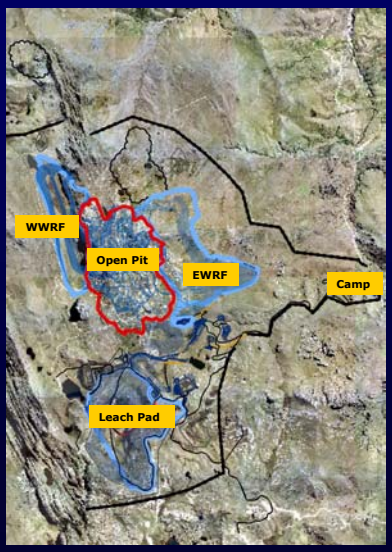
INFRASTRUCTURE
Power Line



BARRICK PERU

Building Mines
Building Value

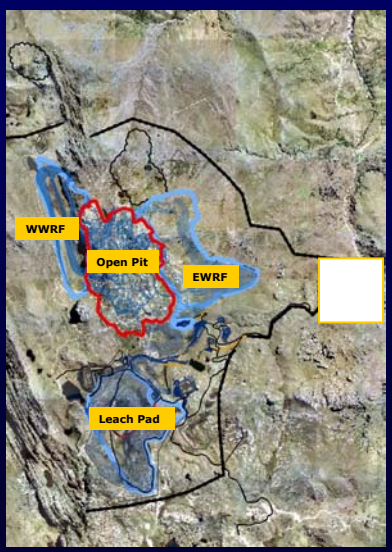
INFRASTRUCTURE
Site Map



BARRICK PERU

Building Mines
Building Value

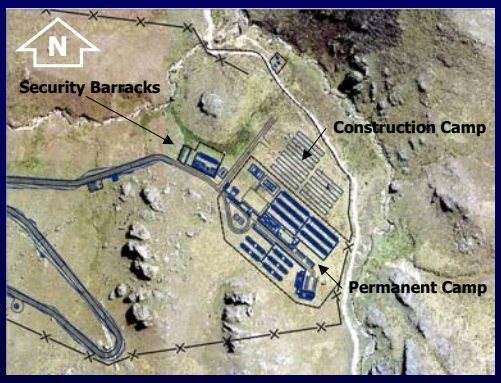
INFRASTRUCTURE
Permanent Camp



BARRICK PERU

Building Mines
Building Value

INFRASTRUCTURE
Permanent Camp



- Permanent camp sized for 477 people, with 262 rooms

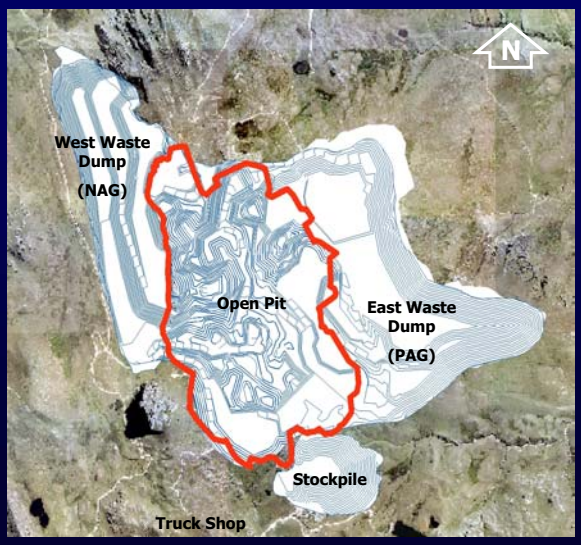
BARRICK PERU
Building Mines
Building Value

INFRASTRUCTURE
Permanent Camp



BARRICK PERU
Building Mines
Building Value

MINE DIVISION
Mine Layout



BARRICK PERU

Building Mines
Building Value

MINE DIVISION
General Description

Mine Configuration

- Conventional open pit truck-shovel operation
- Pit slopes range between 30° and 59°
- Bench height of 10m

Mining Rate

- Ten year mine life
- Annual rate - 30 million tonnes
- Daily rate – 80,000 tonnes
- Stripping ratio – 1:1

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Material Handling

Ore

- Current mine plan considers crushing and processing of clean oxide ore
- After a 3-month crushing start-up period, ore is mined at a rate of 42,000 tpd

Stockpile

- Used to provide storage area for both carbon/carbonaceous and sulphide material
- Stockpiled material not currently included in project economics

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Material Handling

Waste Dumps

- Waste is classified as Potentially Acid Generating (PAG) and Non-Acid Generating (NAG) based upon a total sulphur grade of 0.1%
- Waste material is routed as follows:
  1. West Waste Dump entirely for NAG waste
  2. East Waste Dump principally for PAG waste
  3. In-Pit Waste Dump principally for NAG waste

BARRICK PERU

Building Mines
Building Value

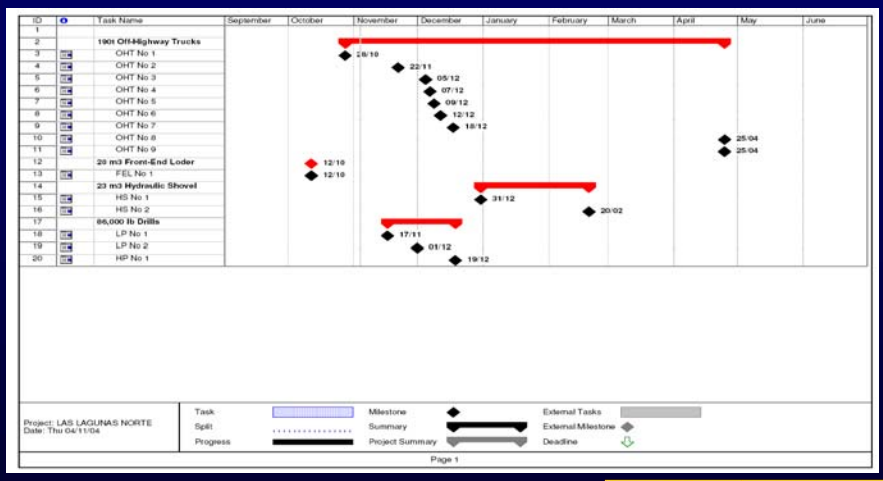
MINE DIVISION
Initial Equipment Requirements

- 9 x 190 t haul trucks (Komatsu 730E)
- 2 x 23 m^3 hydraulic shovels (Komatsu PC4000-6)
- 1 x 20 m^3 front-end loader (Komatsu WA1200-3)
- 3 x 86,000lb blasthole drills (Reedrill SKS-12)
- Support equipment

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Equipment Erection Schedule



BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Equipment Erection



Arrival to Alto Chicama of support mine equipment

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Equipment Erection



Erection of the WA1200-3 FEL and 730E OHT

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Equipment Erection



Erection of the 730E OHT

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Equipment Erection

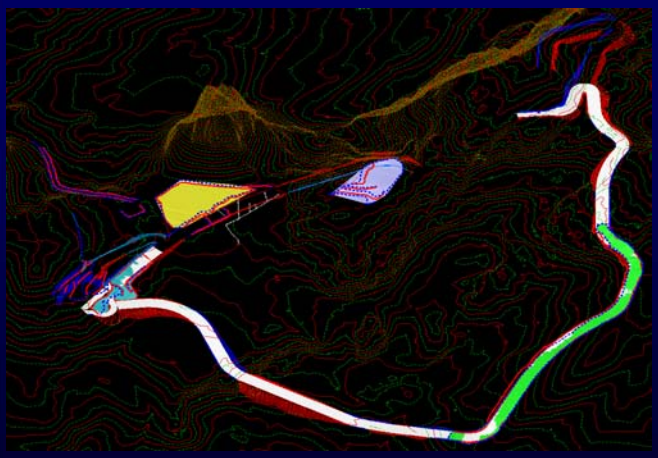


Fabrication of the PC4000-6 in Germany

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Haul Road & Platform Construction



- 4.5 Km of haulage road required at 35 m width
- Preparation of two production benches

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Haul Road & Bench Construction



Removal of topsoil over ore in Alexa – Haul Road B

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Haul Road & Bench Construction



Blast Leveling in Alexa – Haul Road B

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Haul Road & Bench Construction



Road preparation in Alexa – Haul Road B

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Haul Road & Bench Construction



Drilling and loading in Daphne

BARRICK PERU

Building Mines
Building Value

MINE DIVISION
Haul Road & Bench Construction

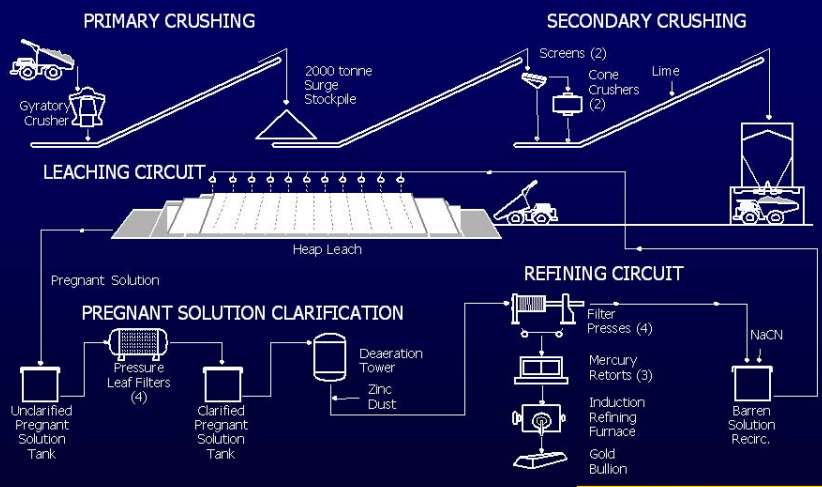


Haul road base completed to Daphne

BARRICK PERU

Building Mines
Building Value

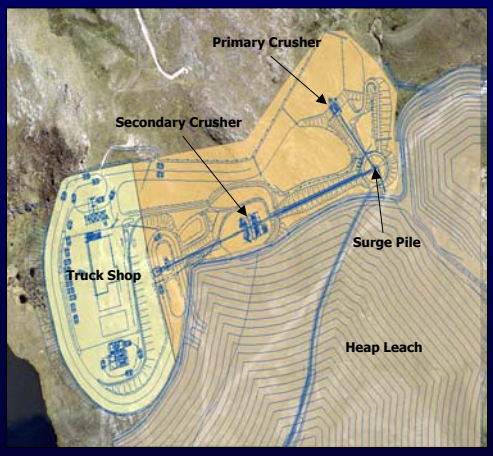
PROCESS DIVISION
Process Flowsheet



BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
Crushing Circuit



- Capacity of 42,000 tpd
- Ore size 80% - 1 ½"
- 1 primary giratory crusher 50 x 65
- 2000 t surge stockpile
- 2 secondary crushers MP800
- Ore bin with 1,000 t of live capacity

BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
Crushing Circuit



Primary crusher construction

BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
Crushing Circuit

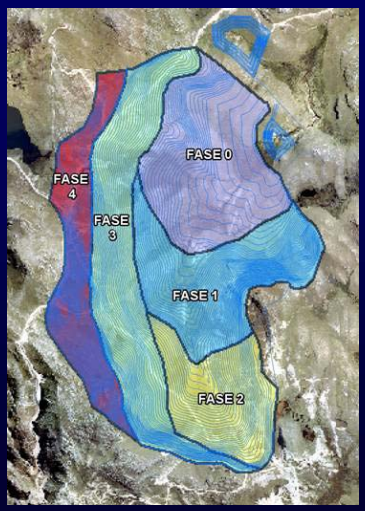


Secondary crusher construction

BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
Leach Pad



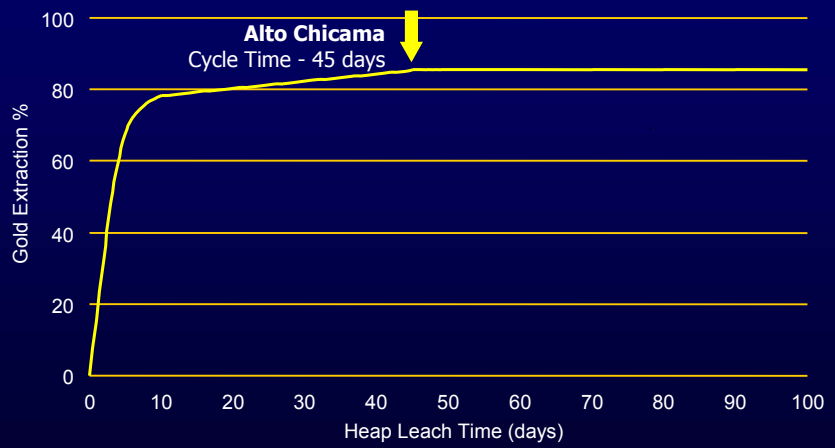
- PLS pond (double liner, leak detection system)
- Designed for no discharge
- Closed circuit (MC – HL)
- Environmental control points
- Leaching cycle of 45 days
- 10 m lifts
- Water diversion channels

PHASES (159 Mt Total)	CAPACITY (Mm^3)
0	7 - 8
1	11 - 12
2	11- 13
3	30 - 35
4	30 - 35

BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
Leach Pad



BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
Leach Pad



BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
Leach Pad



Overliner material preparation

BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
Gold Plant



Merrill Crowe Plant
- 1,200 m^3/hr nominal
- 2 solution pumps
- 4 leaf filters
- 1 deareator tower
- 4 filter presses
- 1 induction furnace
- Automatic flux preparation system
- 3 retorts
- Column testing installation

Reagent Consumption
- NaCN : 0.5 kg/t stacked
- Lime : 0.5 kg/t stacked

CN Destruction Plant
- 700 m^3/hr

PROCESS DIVISION
Gold Plant



PROCESS DIVISION
ARD Plant & Ponds



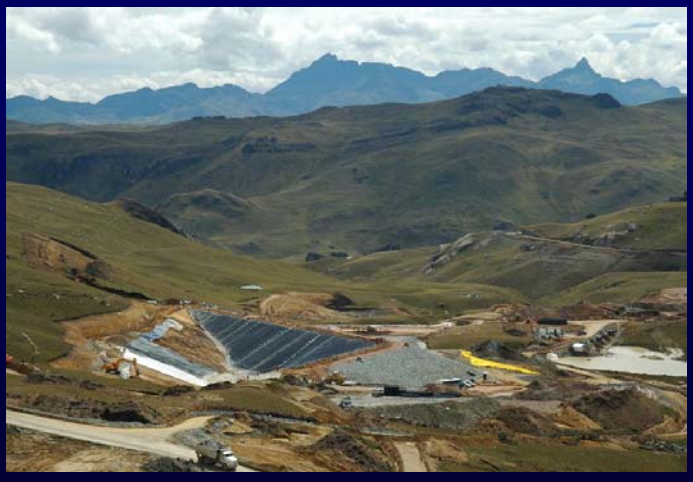
ARD Plant
- Flow: 500 m^3/hr
- Common clarifier: 1,200 m^3/hr

Ponds & Water Management
- Ponds designed for 100 year storm event
- Fresh water: Well fields and rain water
- Rainfall: 1450 mm/year
- Wet season: October - April
- 1 watershed
- Contact and non contact water
- East and West sedimentation ponds
- ARD collection pond
- Event pond

BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
ARD Plant & Ponds



ARD Pond Construction Status

BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
ARD Plant & Ponds



Process Overflow Pond

BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
ARD Plant & Ponds



East Sedimentation Pond

BARRICK PERU

Building Mines
Building Value

PROCESS DIVISION
ARD Plant & Ponds

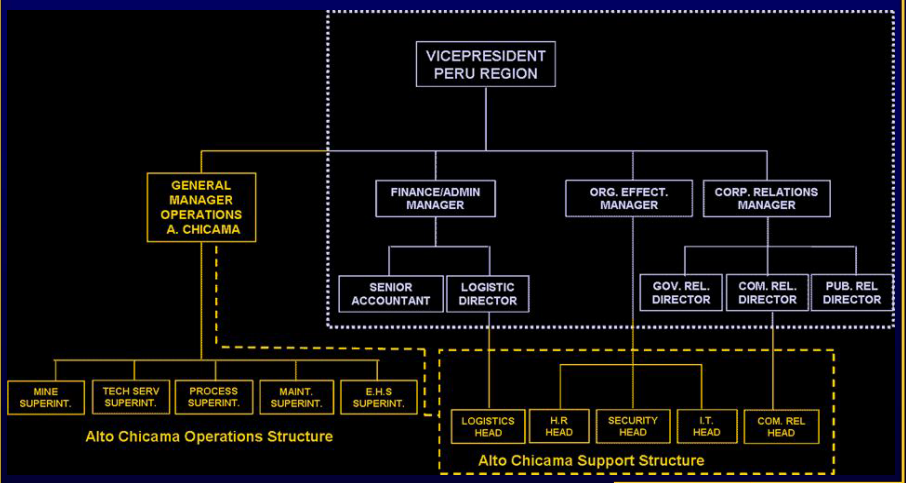


Laguna Negra reservoir dike construction

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Organization



BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Human Resources





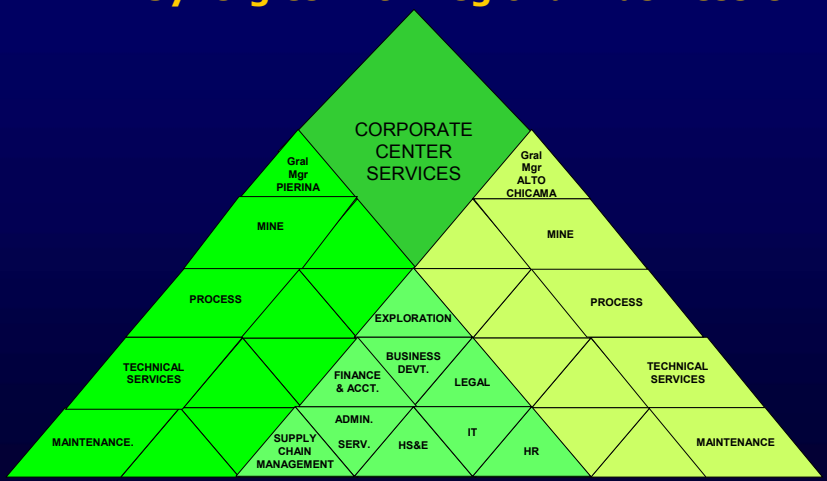


- Local hiring commitment
- Equal opportunity
- Competencies focused selection process for new hires
- Participative evaluation
- Candidates with suitable profile selected

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Synergies with Regional Business Unit



BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Community Relations

- Obtain and maintain the social license which permits the development and operation of the Project in a climate of peaceful coexistence with its neighbors.
- The Alto Chicama Project not only benefits the country from an economic perspective but becomes a strategic ally for local and regional development.

BARRICK PERU
Building Mines
Building Value

ADMINISTRATION
Community Relations

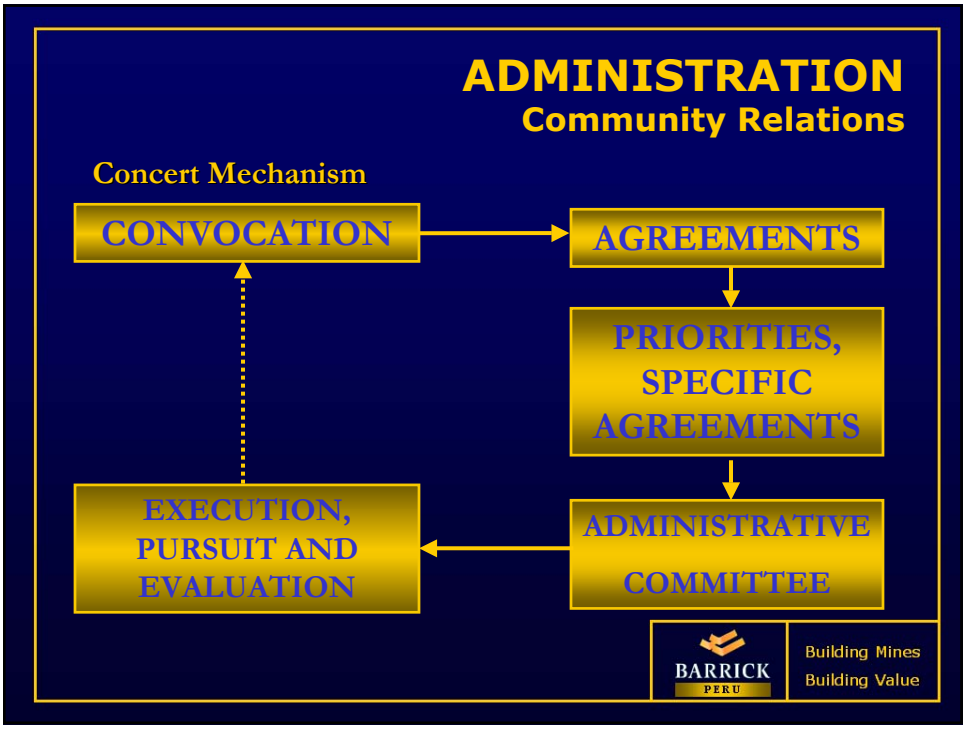
Principal Objectives

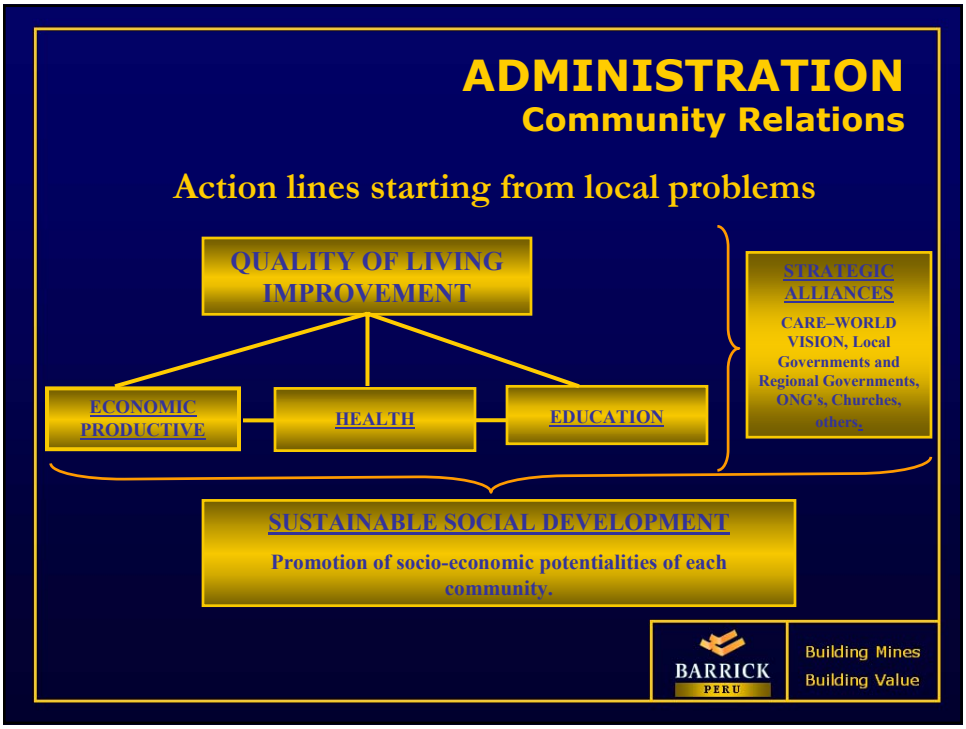
- Improve quality of life (social, environmental and economic)
- Areas of Action: Health, education and productive development

Specific Objectives

- Reduction in the levels of poverty and malnutrition
- Provide access to technical education

BARRICK PERU
Building Mines
Building Value


ADMINISTRATION
Community Relations
Concert Mechanism
CONVOCATION
AGREEMENTS
PRIORITIES, SPECIFIC AGREEMENTS
ADMINISTRATIVE COMMITTEE
EXECUTION, PURSUIT AND EVALUATION
BARRICK
PERU
Building Mines
Building Value


ADMINISTRATION
Community Relations
Action lines starting from local problems
QUALITY OF LIVING IMPROVEMENT
ECONOMIC PRODUCTIVE
HEALTH
EDUCATION
STRATEGIC ALLIANCES
CARE–WORLD VISION, Local Governments and Regional Governments, ONG's, Churches, others.
SUSTAINABLE SOCIAL DEVELOPMENT
Promotion of socio-economic potentialities of each community.
BARRICK
PERU
Building Mines
Building Value

ADMINISTRATION
Community Relations





The old Sauco school and the newly constructed Sauco school

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Community Relations





Donation of computers to the school in Coina as well as the installation of satellite connection to the internet

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Community Relations





Training of inhabitants of Quiruvilca (through SENCICO) in construction trades (carpentry, welding, etc)

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Community Relations





Infrastructure improvements providing access to local communities

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Community Relations





Donation of medical equipment to Community Medical Posts and a local Health Campaign

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Environment





Monitoring by archeologists of topsoil removal and storage for future reclamation use (1M m^3 of topsoil and unsuitable construction materials stockpiled to date)

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Environment









Erosion and sediment flow control:
- 100 gabion sediment ponds
- 494 stone masonry sediment ponds
- 30,000 m of silt curtains

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Environment















Cactus and orchid preservation program in 650 Ha of the Project. 405,981 cactus and orchids recovered and transplanted into four nurseries

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Environment



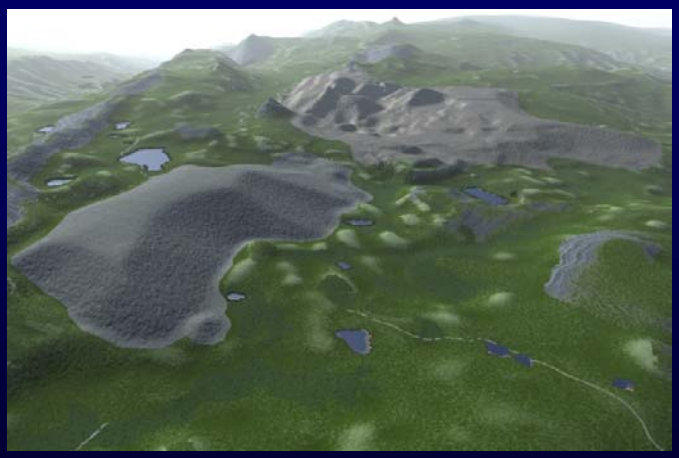



137,765 quenuales and pine seedlings planted to date in four nurseries developed in local communities

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Environment

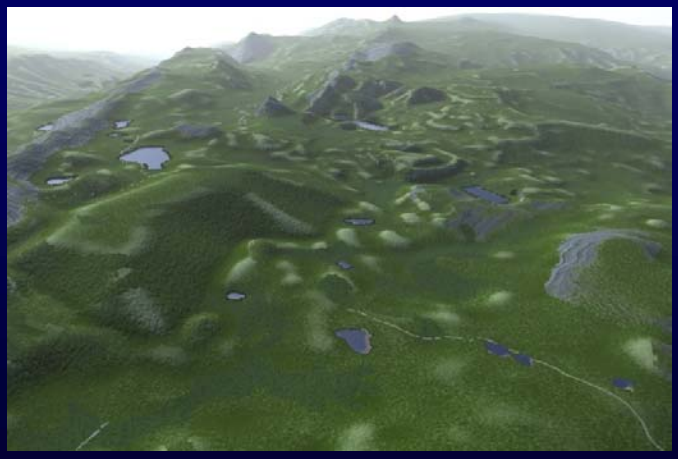


View of Alto Chicama at end of mine life

BARRICK PERU

Building Mines
Building Value

ADMINISTRATION
Environment



View of Alto Chicama after closure

BARRICK PERU

Building Mines
Building Value



BARRICK PERU

Building Mines
Building Value

BARRICK GOLD CO.

PERU EXPLORATION

Trujillo, Nov-10/ 2004



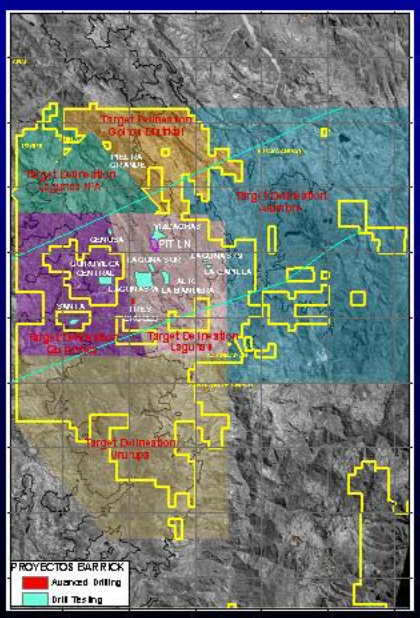
ALTO CHICAMA,
Laguna Norte deposit
June, 2004



ALTO CHICAMA,
Laguna Norte deposit
June, 2001

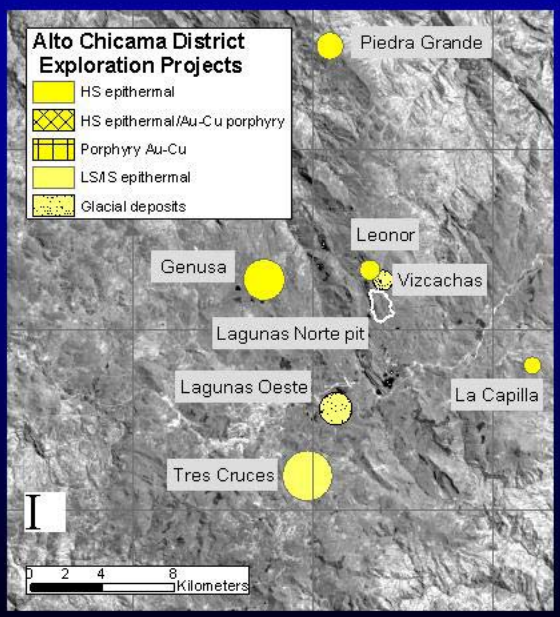
ALTO CHICAMA & PERU EXPLORATION

Alto Chicama District



Alto Chicama district

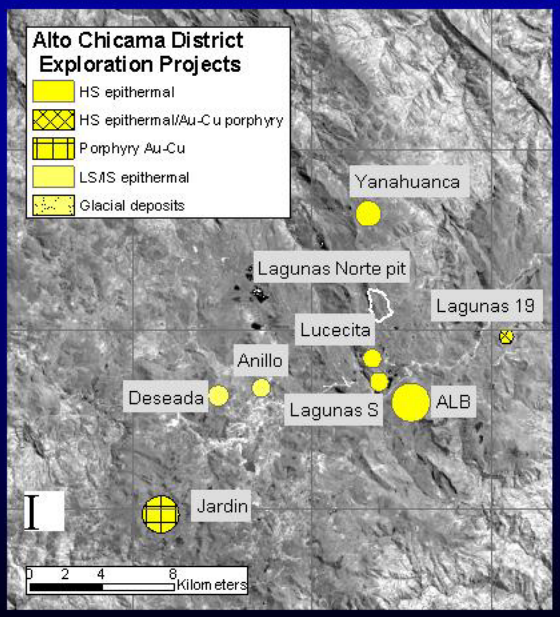
- 1,510 sq. Km in mining rights
- 5 projects drilled in 2004 to date
  Tres Cruces, Piedra Grande, Vizcachas, Lagunas Oeste, Leonor
- 8 current projects
  Lagunas Sur, Alto La Bandera, Jardin, Lagunas 19, Deseada, Lucecita, Yanahuanca
- 2 further dormant projects
  Genusa (Social)
  La Capilla (negotiation)



Circle covers approximate target area

Alto Chicama District

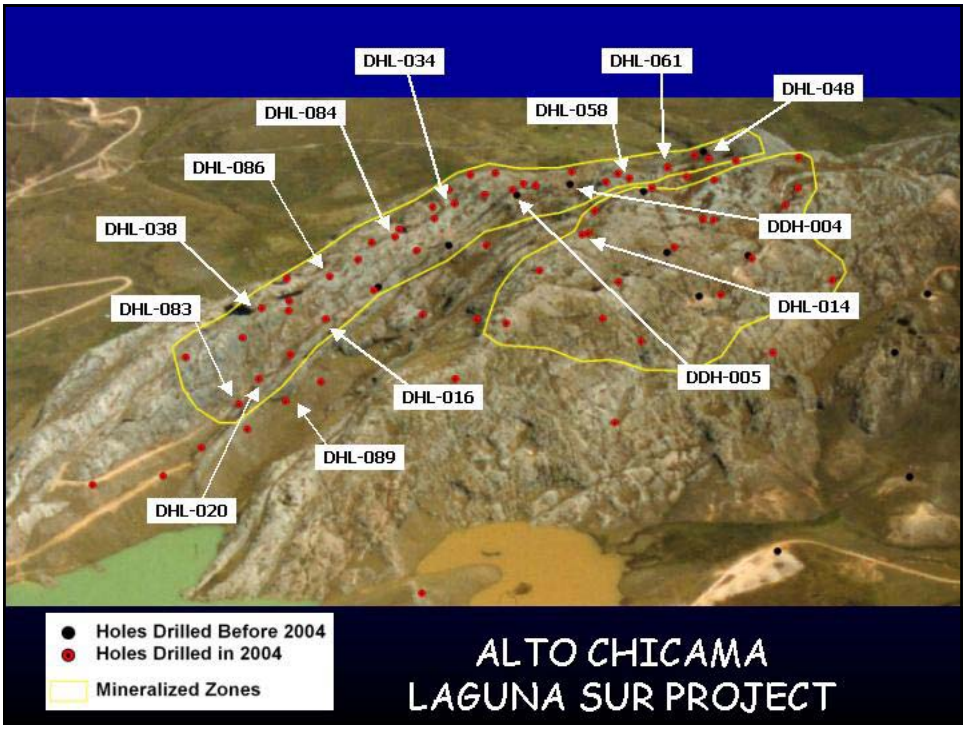
- 5 projects drilled in 2004 to date
  - Tres Cruces
    - 29 drill holes for 6962m
    - 1,500k oz resource confirmed
    - Metallurgical testing
  - Piedra Grande
    - 23 drill holes for 3570m
    - 300k-350k resource outlined
  - Vizcachas
    - 12 drill holes for 509m
    - 30-60k oz resources
  - Lagunas Oeste
    - 4 drill holes for 210m
    - additional drilling underway
  - Leonor
    - 5 drill holes for 1020m
    - No further work planned
- 2 further dormant projects
  - Genusa (Social)
  - La Capilla (negotiation)

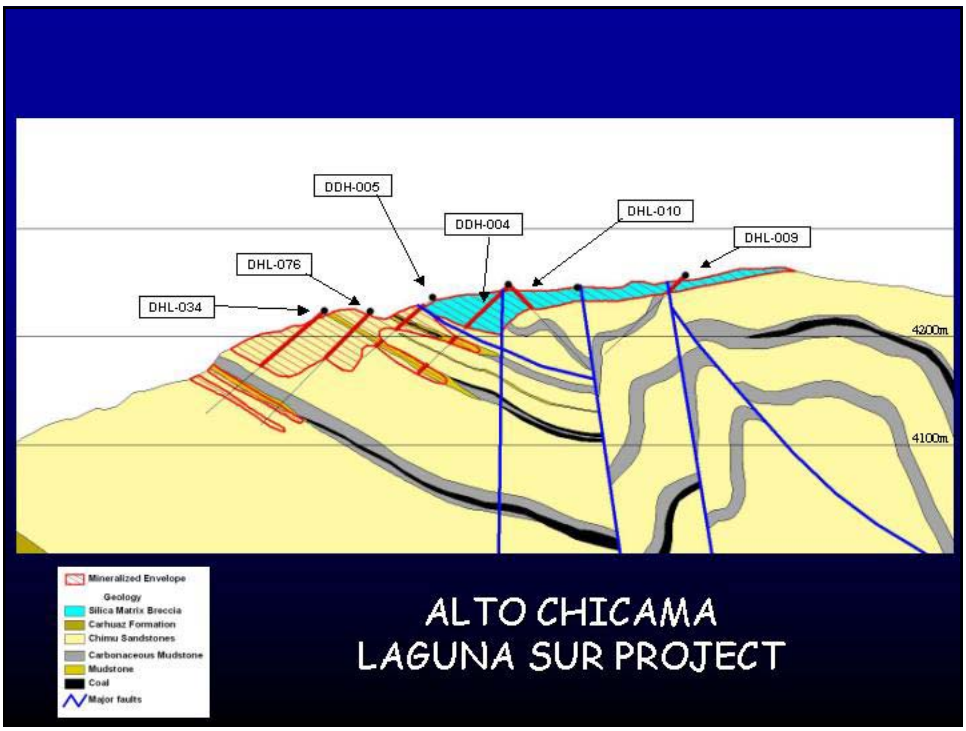


Circle covers approximate target area

Active Projects

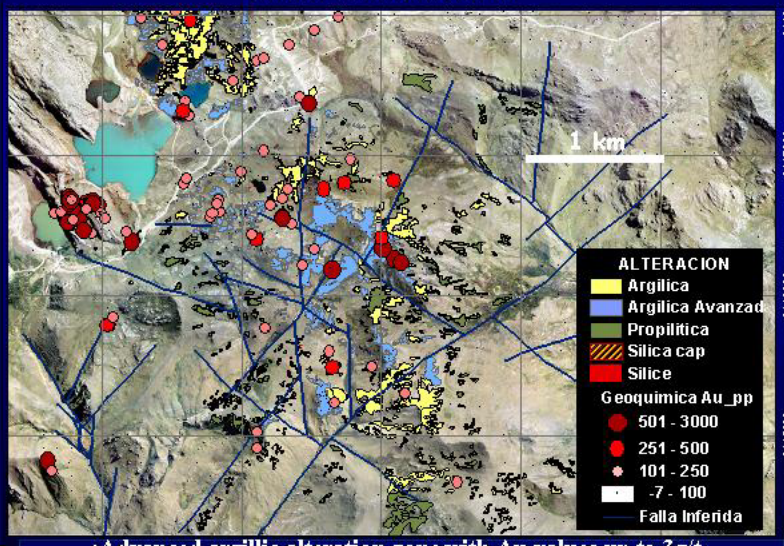
- 8 current projects
- Advanced drilling
  - Lagunas Sur (end 2004)
    - 100 drill holes for 12,112m
- Drill Testing
  - Alto La Bandera
    - 9 drill holes 2500m (50% completed)
  - Jardin
    - 1 drill holes for 400m
  - Lagunas 19
    - 1 drill holes for 300m planned
- Target Delineation
  - Deseada
    - Mapping, sampling, geophysics
  - Anillo
    - Mapping, sampling, geophysics
  - Lucecita
    - Mapping, sampling
  - Yanahuanca
    - Mapping, sampling, geophysics


DHL-034
DHL-061
DHL-048
DHL-084
DHL-058
DHL-086
DDH-004
DHL-038
DHL-014
DHL-083
DDH-005
DHL-016
DHL-089
DHL-020
Holes Drilled Before 2004
Holes Drilled in 2004
Mineralized Zones
ALTO CHICAMA
LAGUNA SUR PROJECT

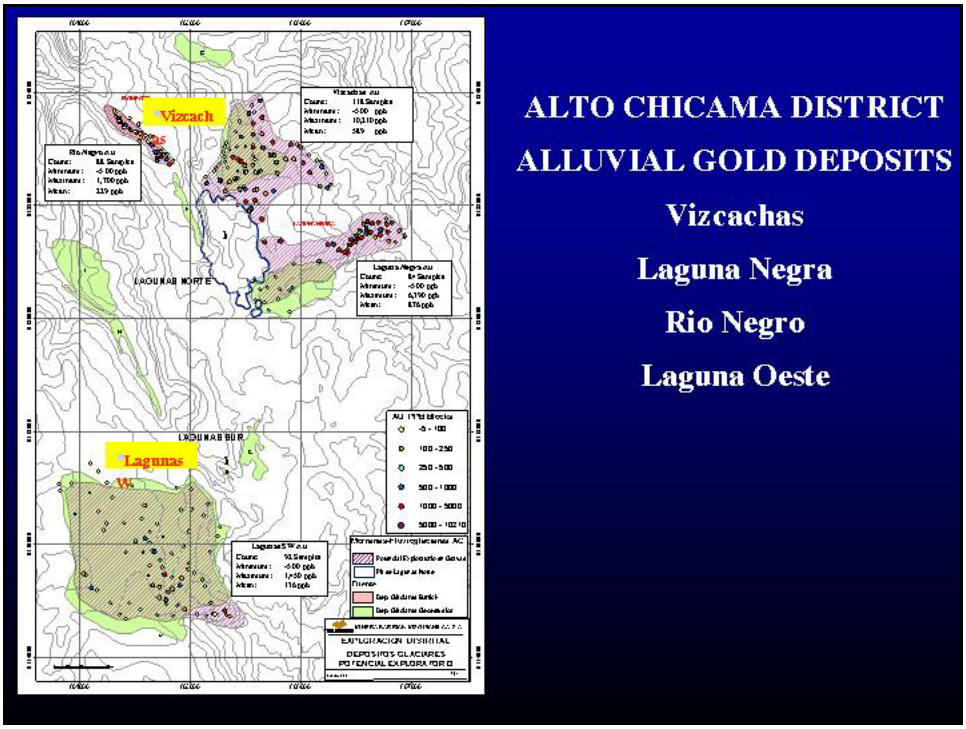

DDH-005
DDH-004
DHL-010
DHL-009
DHL-076
DHL-034
4200m
4100m
Mineralized Envelope
Geology
Silica Matrix Breccia
Carhuaz Formation
Chimu Sandstones
Carbonaceous Mudstone
Mudstone
Coal
Major faults
ALTO CHICAMA
LAGUNA SUR PROJECT



ALTO LA BANDERA



- Advanced argillic alteration zone with Au values up to 3g/t
- Surface mapping, sampling, geophysics completed
- 9 drill holes for 2500m planned (50% completed)
- Adjacent post mineral dome – similar to LLN



ALTO CHICAMA DISTRICT
ALLUVIAL GOLD DEPOSITS

Vizcachas

Laguna Negra

Rio Negro

Laguna Oeste





VIZCACHAS

Floats sampling

Geological mapping

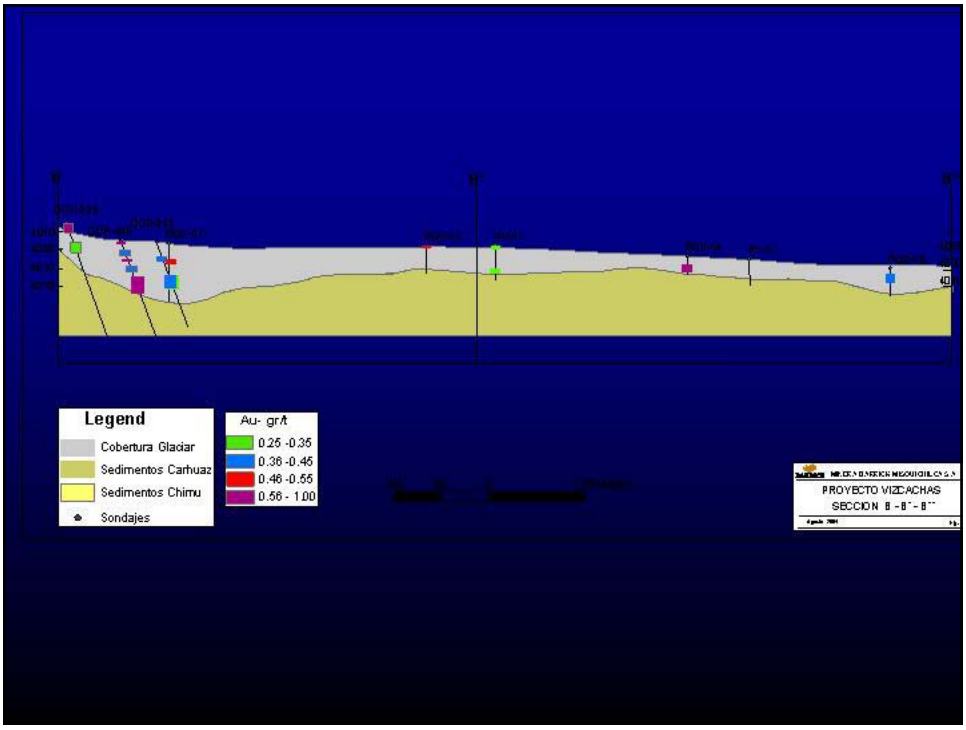
Seismic survey (3.1km)

Electrical drill hole survey

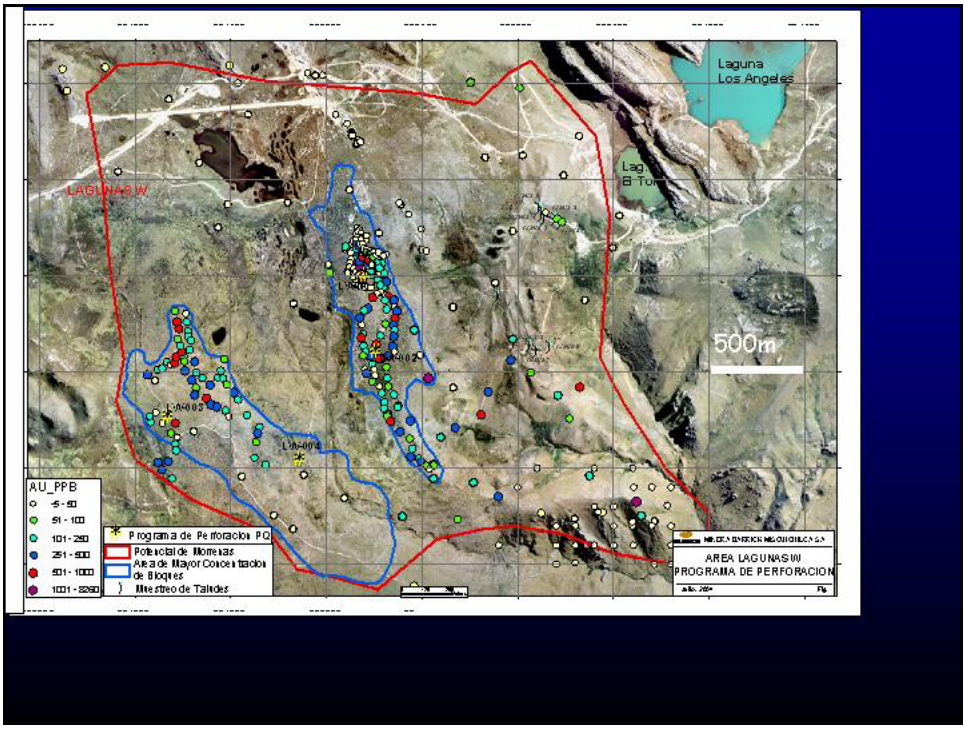
4 RC conventional holes(142m)

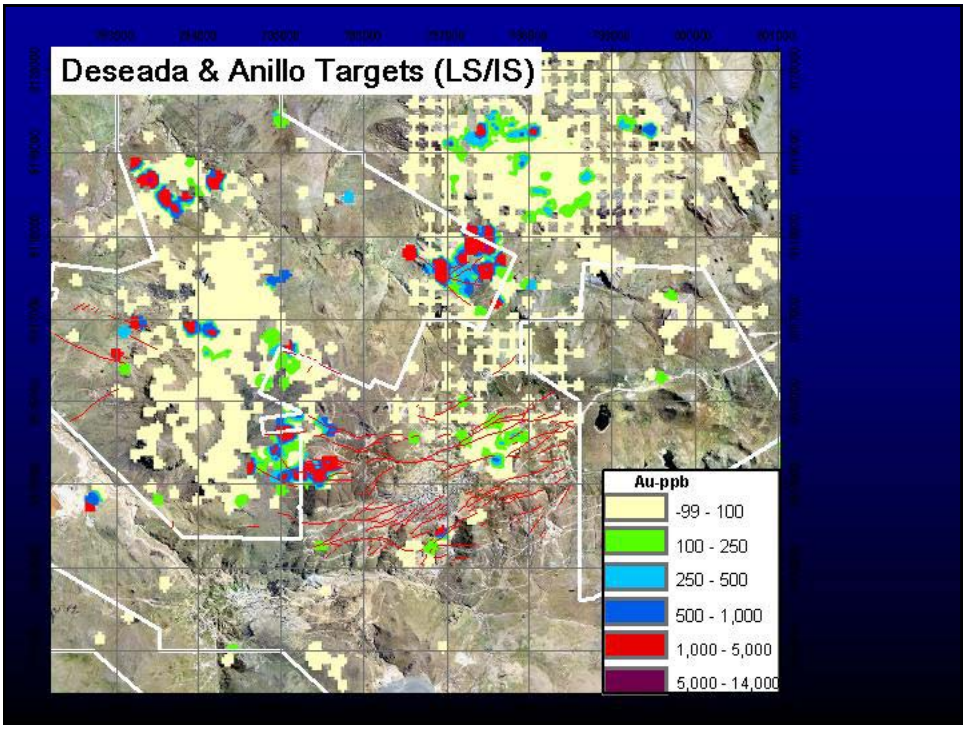
3 RC Barber drilling 12 inches diam. (143m)

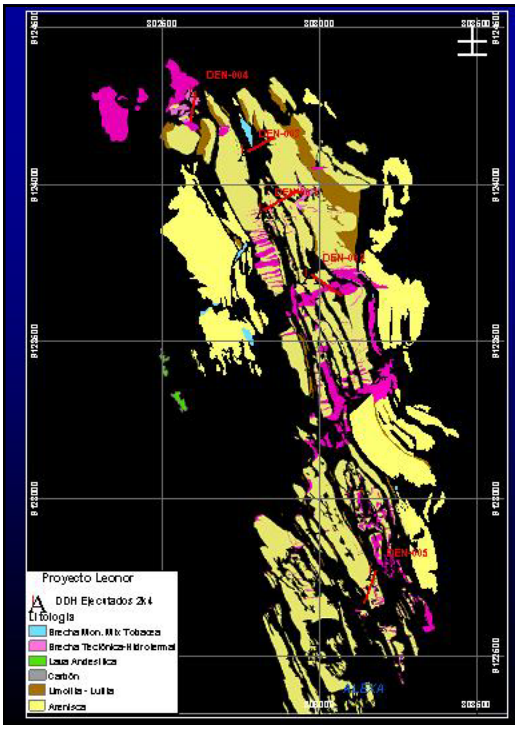
6 DDH holes PQ, 8 cm diam (224.40m)




TRES CRUCES
LAGUNAS WEST


Laguna
Los Angeles
LAGUNAS W
500m
AU_PPB
-5 - 50
51 - 100
101 - 250
251 - 500
501 - 1000
1001 - 3250
Programa de Perforacion PQ
Potencial de Monteras
Area de Mayor Concentracion de Bloques
Muestreo de Taludes
AREA LAGUNAS W
PROGRAMA DE PERFORACION

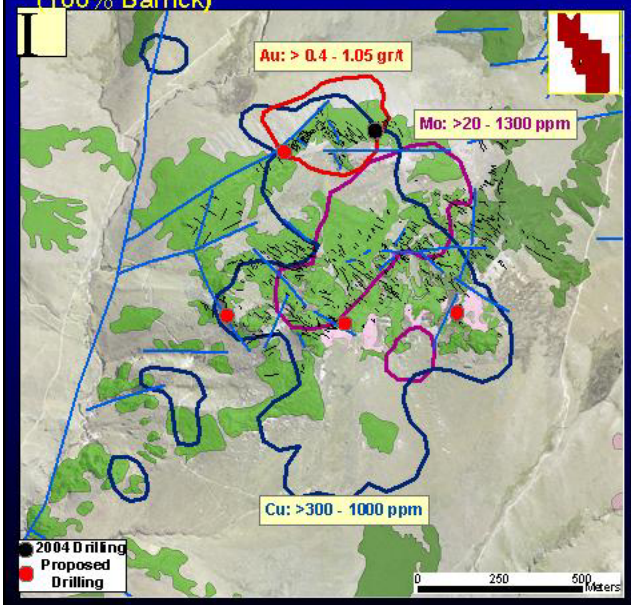




Leonor

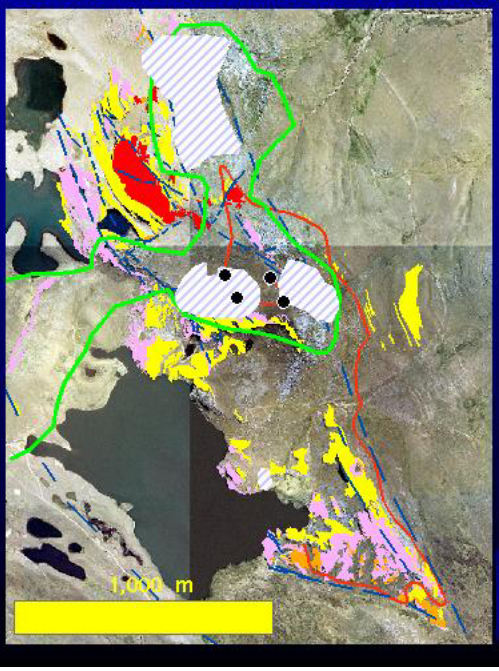
- **Extension to the north of Lagunas Norte**
- **5 drill holes for 1020m**
  - **No significant mineralisation cut by drilling**

Porphyry Au-Cu target, Alto Chicama District, Peru (100% Barrick)



- Strong coincident Au, Cu, Mo anomalies
- Single drill hole in 2004
  - Preliminary metallurgical testing 81-99%, recovery
  - Sericite-pyrophyllite altered volcanic rocks

Genusa, Alto Chicama District, Peru (100% Barrick)



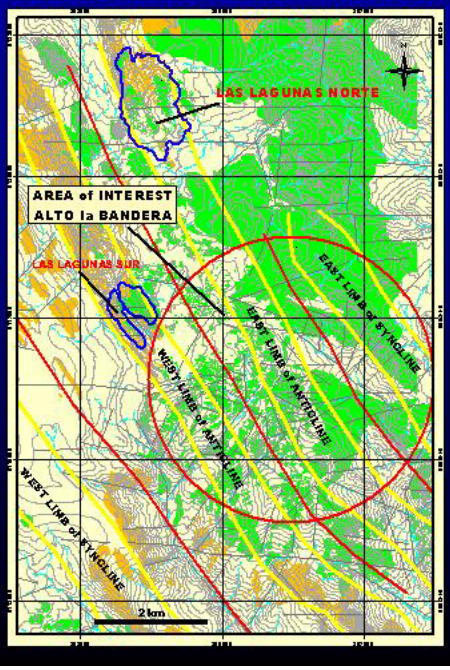
- Volcanic and sediment-hosted HS epithermal target
  - Similar geology to LLN
    - Chimu Fm sandstones
    - Phreatomagmatic breccia
    - Palaeosurface breccia
  - Advanced argillic – silicic alteration
    - Dickite, alunite
    - Silicification in breccias and sandstones

Au > 0.1 g/t

Hg > 2.5 ppm

Intrusive breccia
Paleosurface breccia
Sandstone

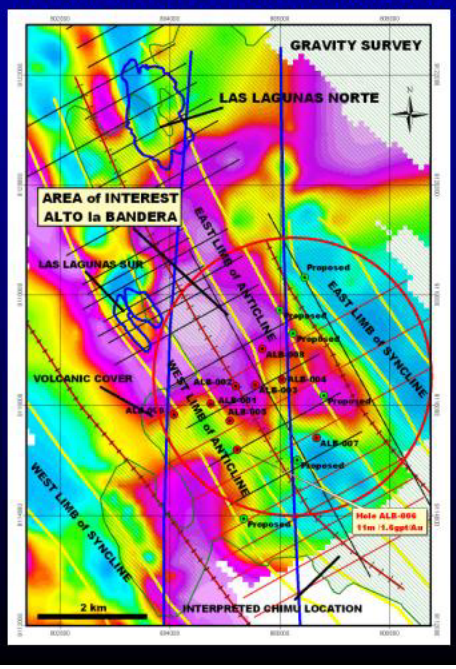
Alto la Bandera, Alto Chicama District, N. Peru (100% Barrick)



- Volcanic and sediment-hosted HS epithermal target
  - Similar geology to LLN
    - Chimu Fm sandstones
    - Andesitic to dacitic domes minor phreatomagmatic breccias
    - Anomalous structural site
  - Advanced argillic – silicic alteration
    - Pyrophyllite, alunite, dickite
    - Silicification in breccias and sandstone

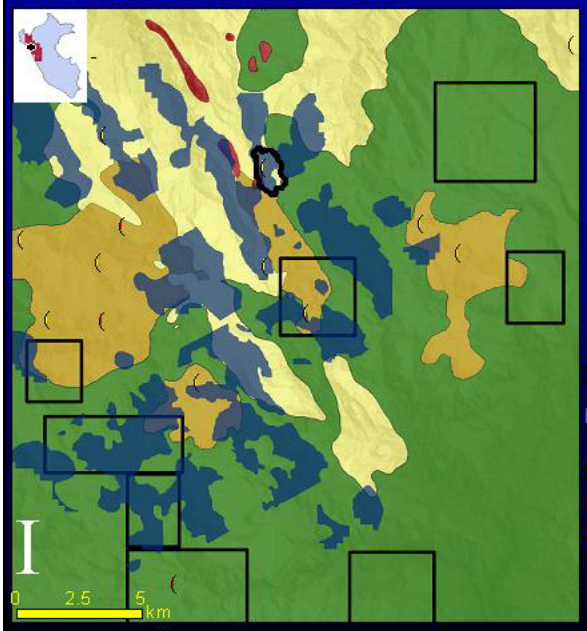
Interpreted Trace of Chimu Sandstones
Tertiary Volcanic Rocks
Mesozoic Sediments

Alto la Bandera, Alto Chicama District, N. Peru (100% Barrick)



- Rock geochem. and PIMA sampling
  - 350 samples, (max 3.2 g/t)
- Geological mapping 1:5000
- Geophysical surveys
  - Airborn mag, 37.8km IP, 91.8km SP plus Gravimetric survey
- Drilling on coincident geological and geophysical targets.
- 5 holes for 1730m, 3 holes pending. Hole ALB-006 with 11m of 1.6g/t Au in Chimu sandstone

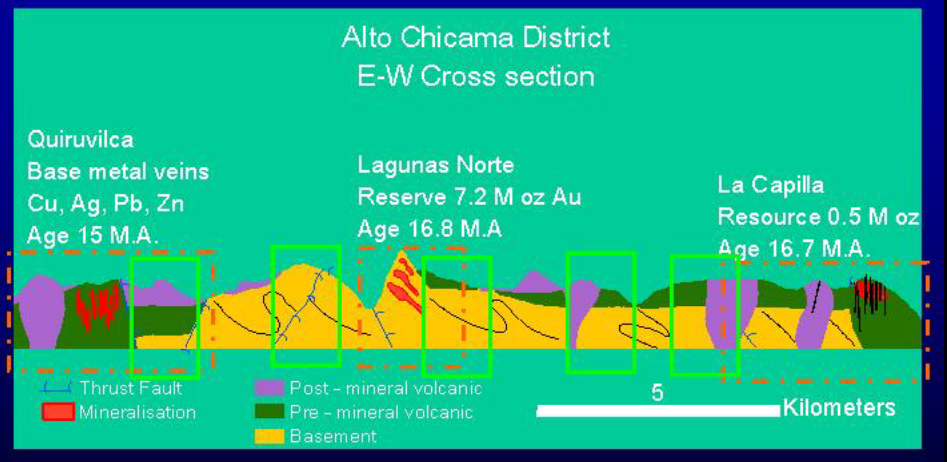
Lagunas, Peru (100% Barrick)



- Proposed work
  - Detailed surface mapping sampling at IS occurrences
  - Extend gravity coverage
  - Integrating geological mapping and Ph.D research program results
  - Conceptual target generation

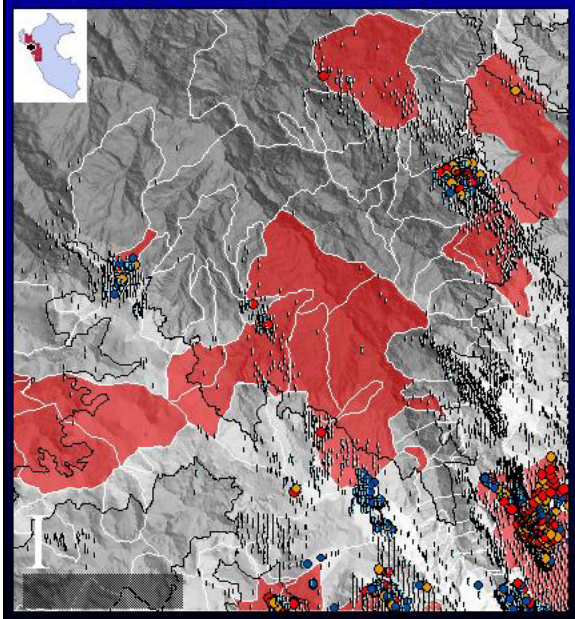
Magnetic Target
Gravity Target
Structure
Post-mineral volcanics
Pre-mineral volcanics
Cenozoic intrusive
Mesozoic basement

Lagunas, Peru (100% Barrick)



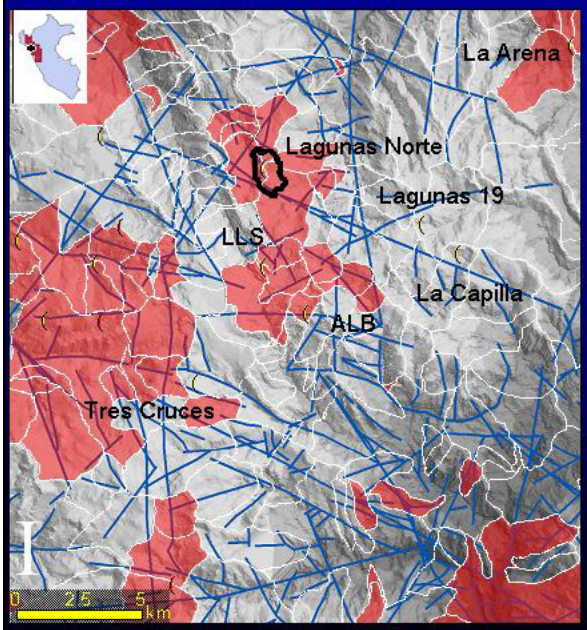
Gravity target Magnetic target

Lagunas NW, Peru (100% Barrick)

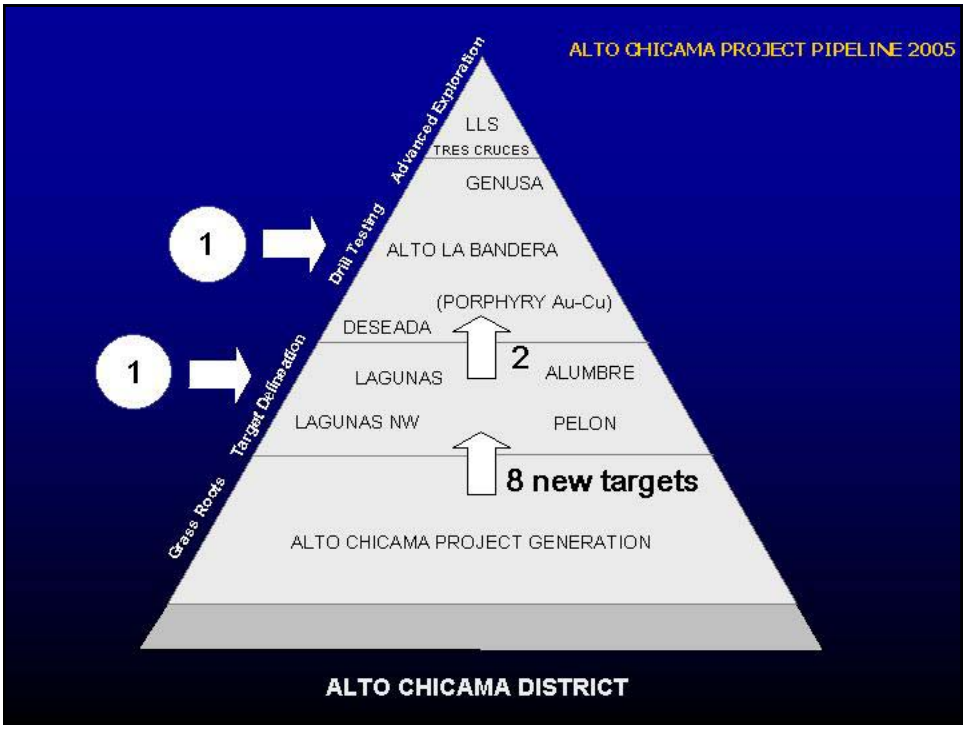


- 2005 program to address endowment, mineralisation, alteration
  - Geological mapping, sampling
  - Follow-up of stream sediment anomalies
    - NE-trending, parallel structure
  - Follow-up of targets defined by magnetic and gravity interpretations

Lagunas, Peru (100% Barrick)

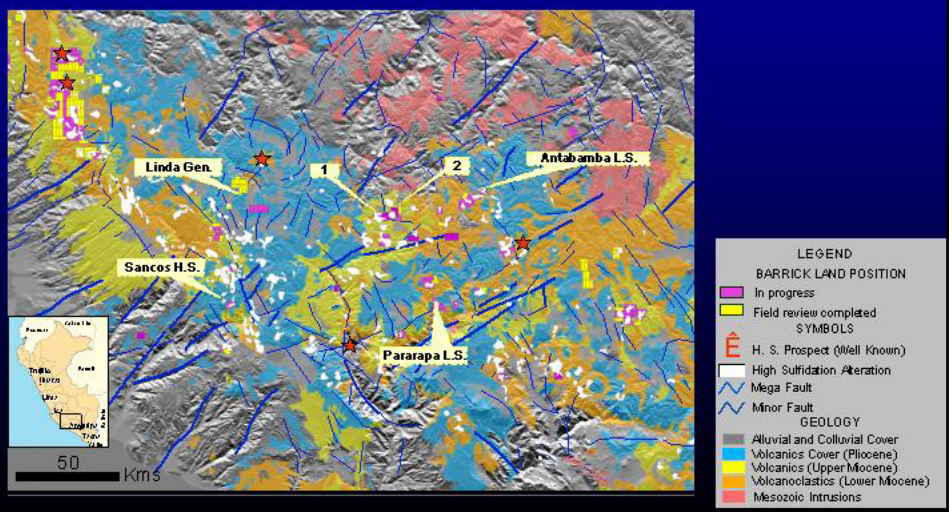


- 2004 program
  - 8 drilling programs
    - 1 project to resource definition
  - Mapping – volcanic stratigraphy
  - TD work at 4 other areas
  - Follow-up of district-wide soil anomalies



SOUTHERN PERU (100% Barrick)

- Located in the Andean Tertiary volcanic arc at the Inflection of Abancay.
- Target Delineation & Drill testing projects
- Target Model: High & Low Sulphidation



EXPLORATION PROGRAMS

Barrick's exploration programs are designed and conducted under the supervision of Alexander J. Davidson, P. Geo., Executive Vice President, Exploration of Barrick. For information on the geology, exploration activities generally, and drilling and analysis procedures on Barrick's material properties, see Barrick's most recent Annual Information Form on file with Canadian provincial securities regulatory authorities and the US Securities and Exchange Commission.