



# INCA MINERALS LTD



ASX: ICG



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# Emerging World-Class Porphyry Deposit At Inca's Flagship *Chanape Project*





## First half of 2013 - Discovery of mineralised porphyry

- Maiden hole (CH-DDH001) drills into mineralised porphyry
- Acclaimed expert verifies discovery
- Surface exploration generates 40+ epithermal and porphyry drill targets

## Second half of 2013 - Confirmation of mineralised porphyry

- Company increases capacity under modified drill permit
- Engages in-country Exploration Manager
- Second deep hole (CH-DDH008) drills into mineralised porphyry



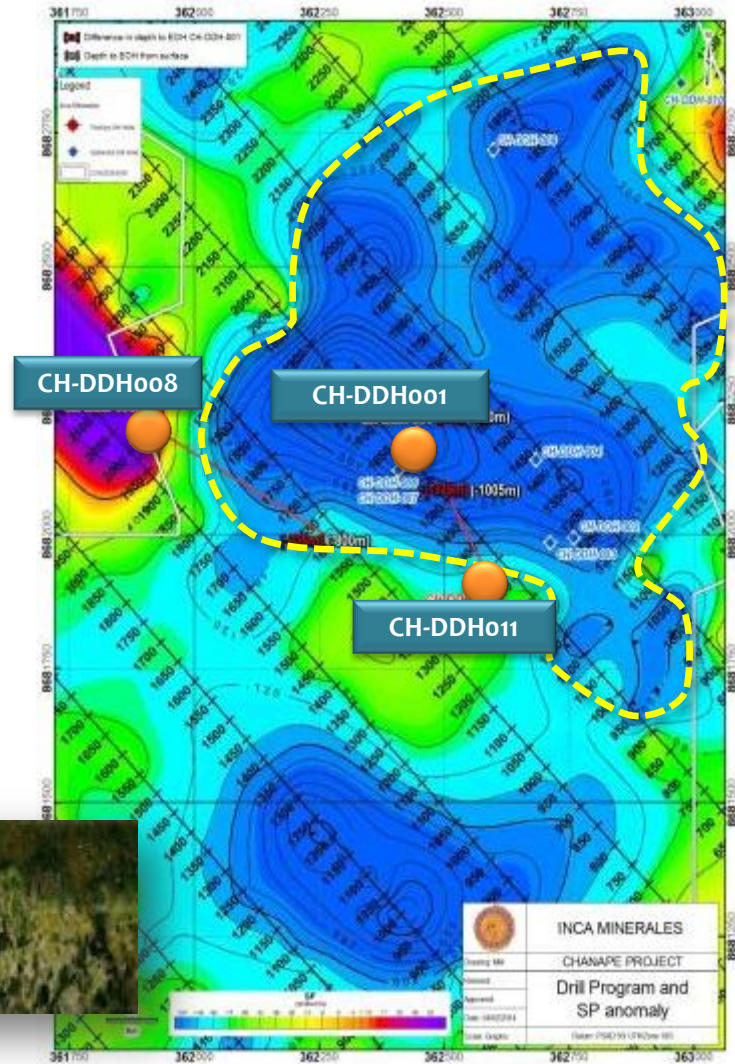


## Third deep hole drills into 459m of porphyry

- CH-DDH011 has longest mineralised porphyry intersection to date
- CH-DDH011 has most visible chalcopyrite seen to date
- Significant >1% Cu intervals intersected – open ended

## Putting shape and size to porphyry

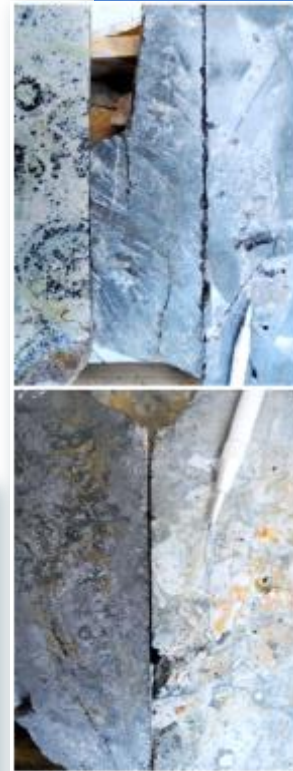
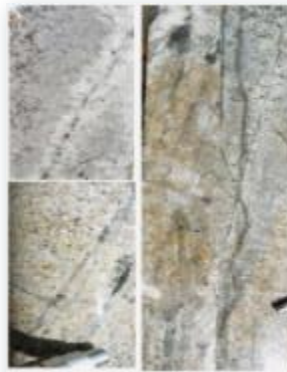
- Porphyry in three holes provides shape and size in 3 dimensions for the first time
- Upper intersections suggests porphyry rising to the north
- Close association with SP anomaly suggests northerly location as well as additional porphyries





## Maiden deep hole: CH-DDH001

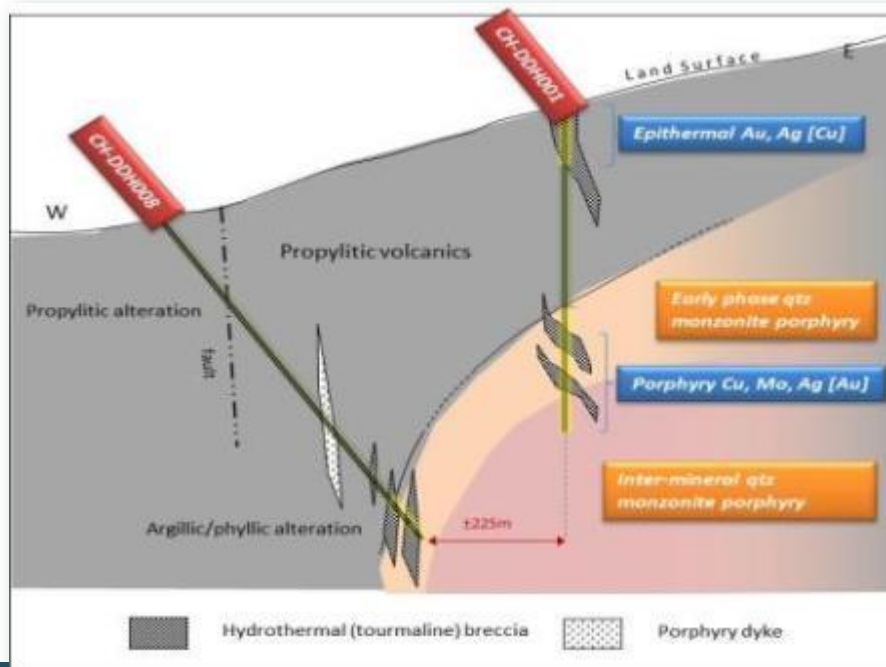
- Intersects epithermal mineralisation: 108m interval @ 2.0g/t Au, 41g/t Ag from surface
- Intersects porphyry and breccia style mineralisation: 220m interval @ 0.13% Cu, 120ppm Mo from 380m to 600m
- Intersection includes three separate zones of mineralisation totalling 106m between 406m and 583m with Cu+Mo+Ag±Au grades between 0.48% and 0.21% Cueq:





## Second deep hole: CH-DDH008

- Successfully intersects porphyry SW of CH-DDH001
- Intersects porphyry and related hydrothermal breccias between 496m and 728.9m down-hole depth (EOH)
- Lower Mo levels than CH-DDH001 suggests CH-DDH008 has stepped away from or had not reached potential ore zone



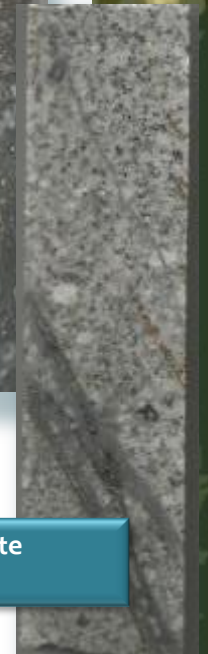
Chalcopyrite-bearing hydrothermal breccia @ 664m



Highly silicified brecciated porphyry @ 724m



Highly silicified monzonite porphyry @ 727m





## Third deep hole: CH-DDH011

- Successfully intersects porphyry SE of CH-DDH001
- CH-DDH011 intersections include:
  - 97m down-hole interval @ 0.58% Cueq, from 770m including:
    - 11m interval @ 1.76% Cueq from 770m
    - 7m interval @ 1.4% Cueq from 809m
    - 8m interval @ 1.19% Cueq from 837m
  - 30m down-hole interval @ 1.11% Cueq from 886m
  - 24m down-hole interval @ 0.43% Cueq from 970m
  - 26m down-hole interval @ 0.60% Cueq from 1,021m, including:
    - 6m down-hole interval @ 1.42% Cueq from 1,040m
- Mineralisation in open-ended at depth - last 5m's averages 1.2% Cueq



Massive chalcopyrite-bearing veins b/n 812m and 838m

Potassic altered monzodiorite

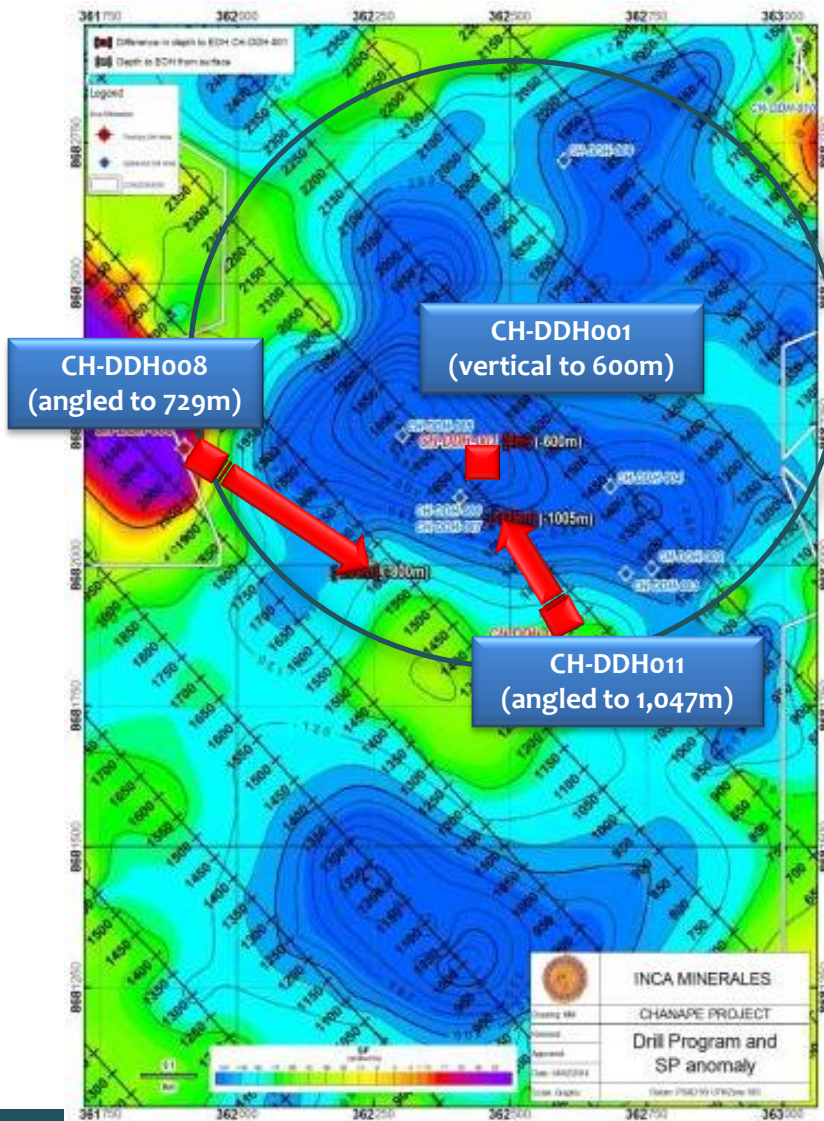


Sulphide bearing qtz veins and brecciation

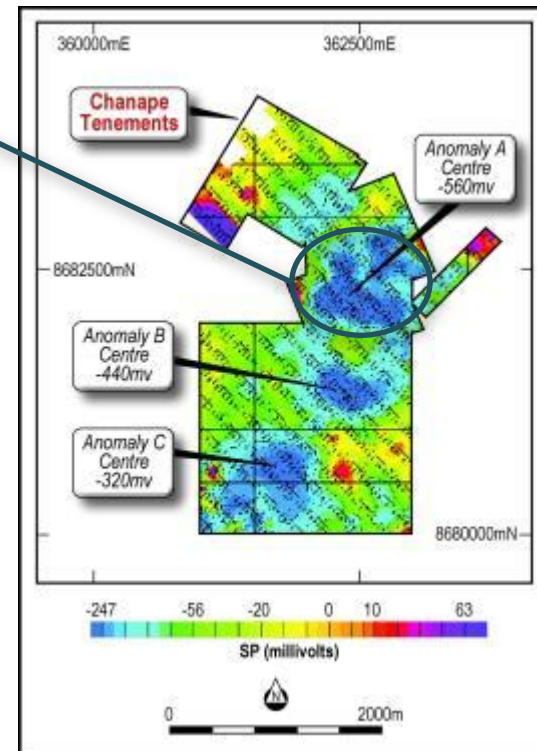




# Three Porphyry Holes



Summary location plan of the three porphyry holes

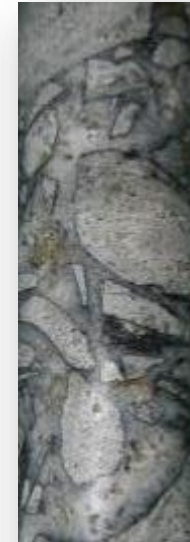




## Epithermal holes deliver broad gold, silver and copper intersects

- CH-DDH005 discovers hidden breccia
- CH-DDH006 and CH-DDH007 intersect robust grades:
  - CH-DDH006: 66m @ 0.93g/t gold, 14.64g/t silver and 0.24% copper from 33m
  - CH-DDH007: 78m @ 1.1g/t gold, 16.51g/t silver and 0.26% copper from 35m
  - Peak gold value: 17.4g/t (minimum: 0.08g/t)
  - Peak silver value: 257g/t (minimum: 2.7g/t)
  - Peak copper value: 4.1% (minimum: 0.01%)

CH-DDH006 @ 85.9m



CH-DDH006 @ 92.5m



CH-DDH005 @ 143.5m

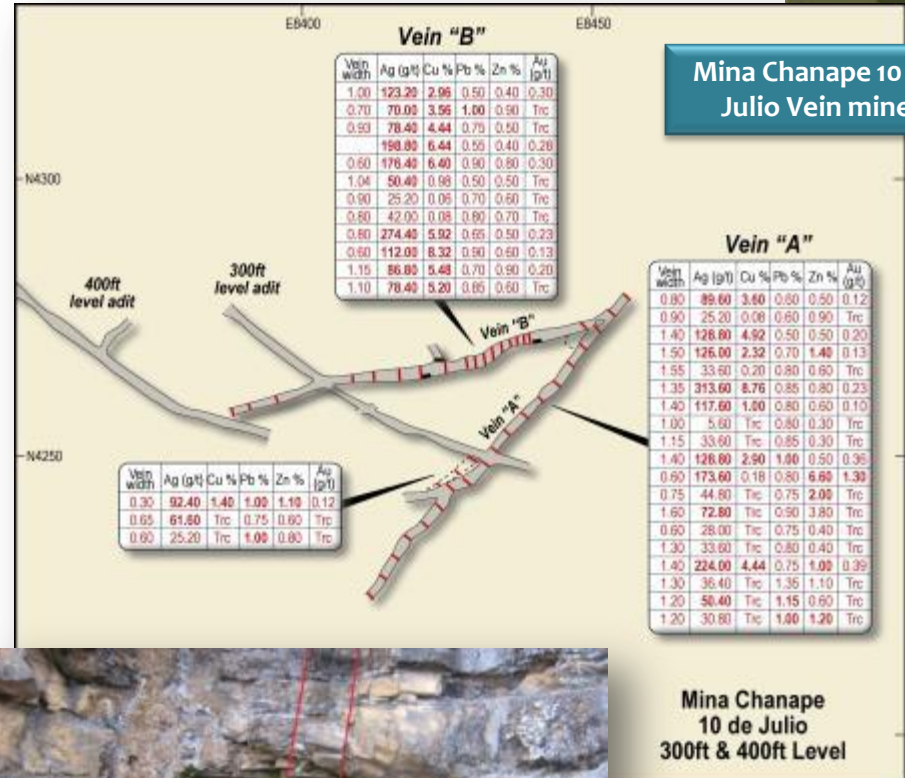


CH-DDH009 Pyrite-bornite @ 40m



## Significant Gold, Silver, Copper Mineralisation Revealed in Old Mining Data

- Previous mining at Chanape targets gold, silver, copper and base metals-bearing veins
  - Average grades at the Fulvia Mine include: 2.96g/t gold, 408g/t silver, 0.96% copper
  - Peak values of underground sampling include: 14.5g/t gold, 901.6g/t silver and 8.76% copper
- Mined veins known to extend for 2km's across Chanape
- Veins part of epithermal mineralised system at Chanape





## Current Program (2013-early 2014)

- DIA Drill Permit approved:
  - Valid to mid 2014
  - Covers all current targets
  - 10,000m drilling permissible

## Following Program (Mid-late 2014)

- EIAsd Drill Permit commenced
  - Already well advanced - scheduled approval mid 2014
  - Required when >20 drill platforms
  - Allowance of >20,000m drill metres



San Damian community highly supportive of Inca



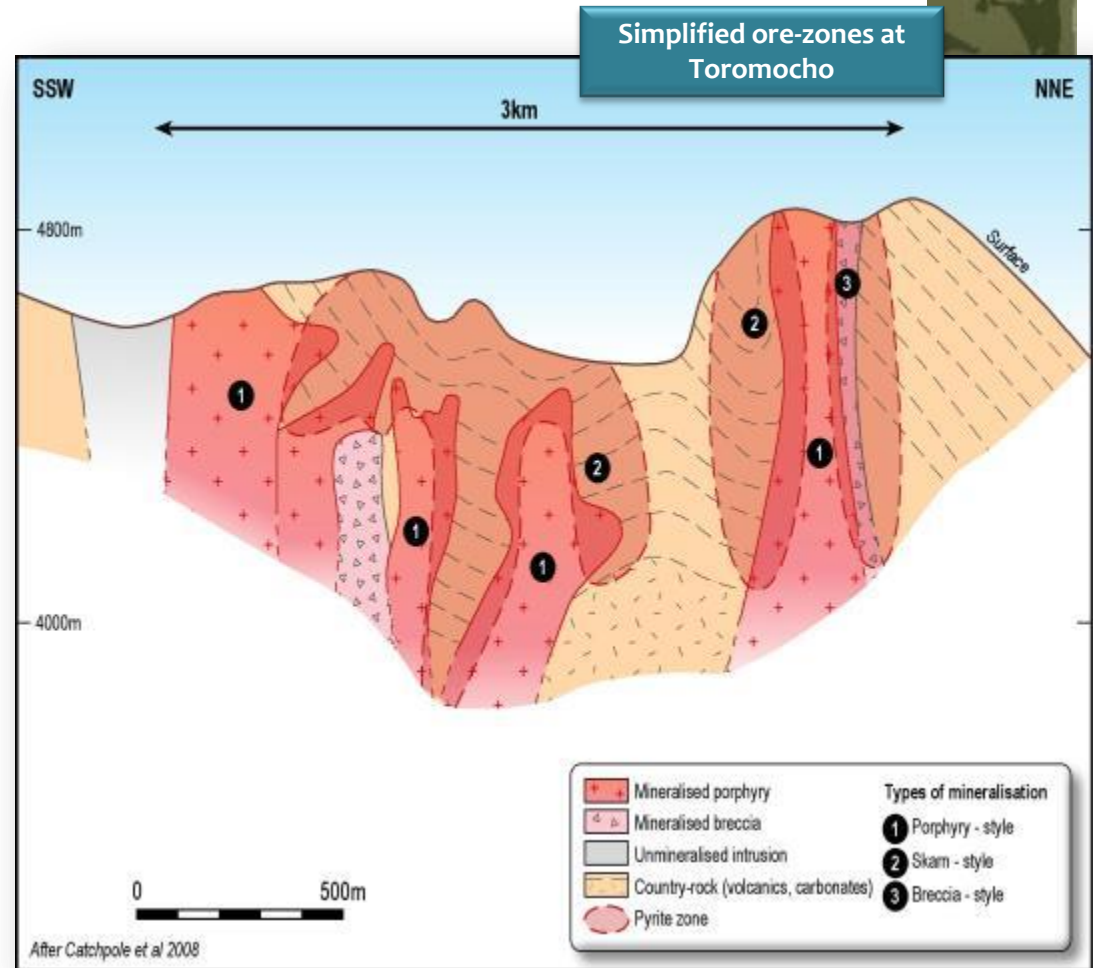


## Toromocho

- Is a Cu-Mo-Ag multi-ore zone porphyry system
- Is a mega-sized porphyry deposit containing 2.15Bt ore at 0.5% Cu
- Sold in 2007 for >US\$ 750M - it will produce 250,000t of Cu annually by 2016 for 35 years

## Chanape

- Is a newly discovered Cu-Mo-Ag-Au multi-ore zone porphyry system 30km's SW of Toromocho
- Has the potential to be "very large" (coincides with 2.5km x 1km SP anomaly)
- Is part of the Central Peru Porphyry Belt containing 11 mega-sized deposits with >7Bt ore





# Chanape Porphyry Model

## Depth of mineralisation

- Some forms of mineralisation occur at surface (breccias, vein systems)
- Cu-Mo porphyry mineralisation accessible from valley sides
- Further occurrences yet to be uncovered

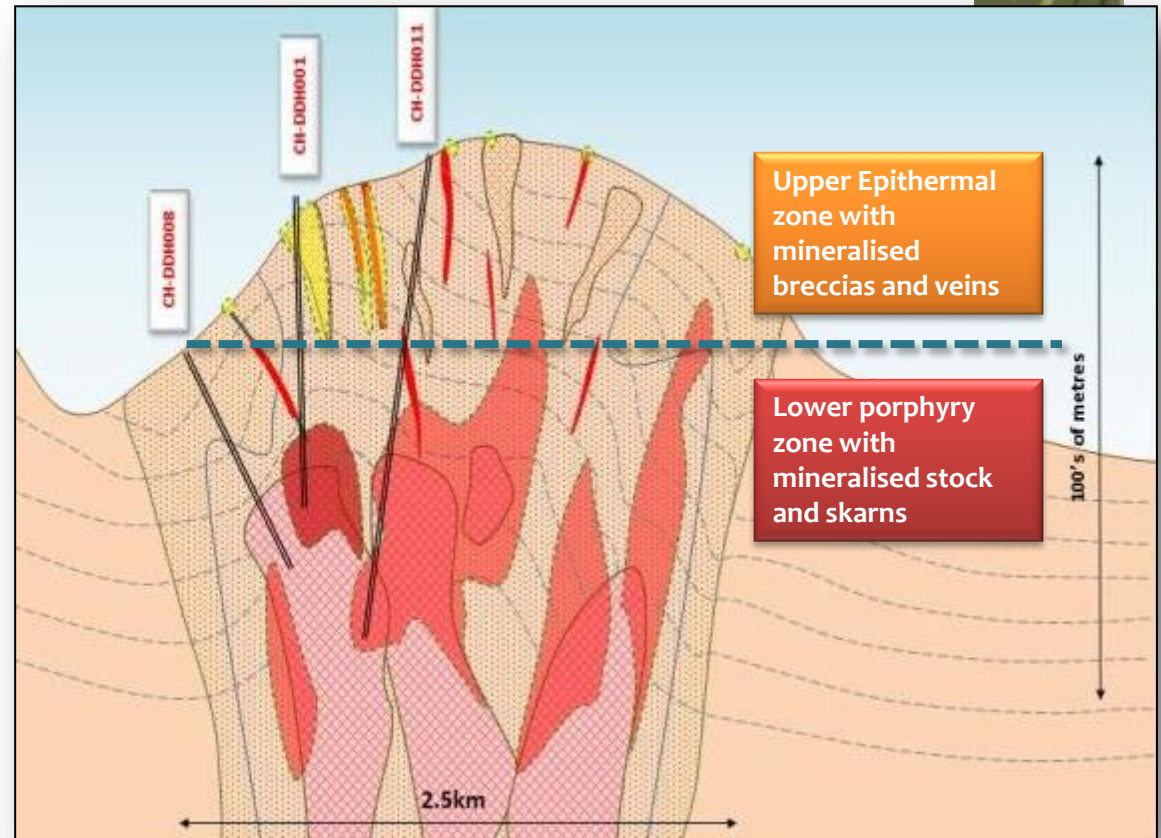
## Grade of mineralisation

- Intricate and interwoven grades with zones of “high grade” and zones of “low/no grade”
- Drill sections reflect this
- Multiple zones in latest hole (CH-DDH011) with +1% Cu – still wider sections with +0.5% Cu

## Future Development

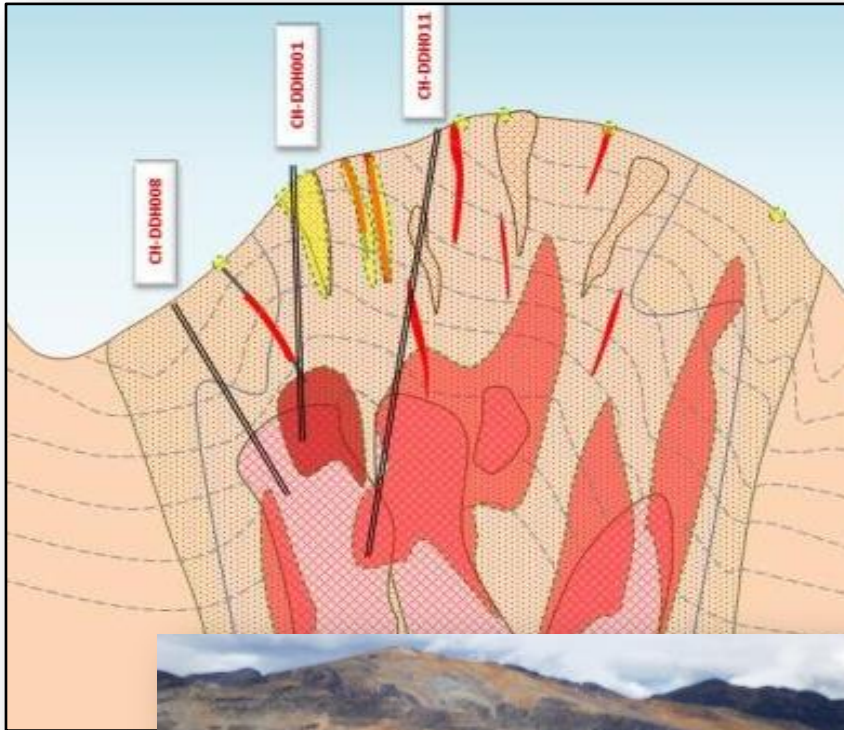
- Drilling to build resource
- No mine method ruled out
- No type of porphyry ore ruled out

## Visualising depth, grade and development options ...

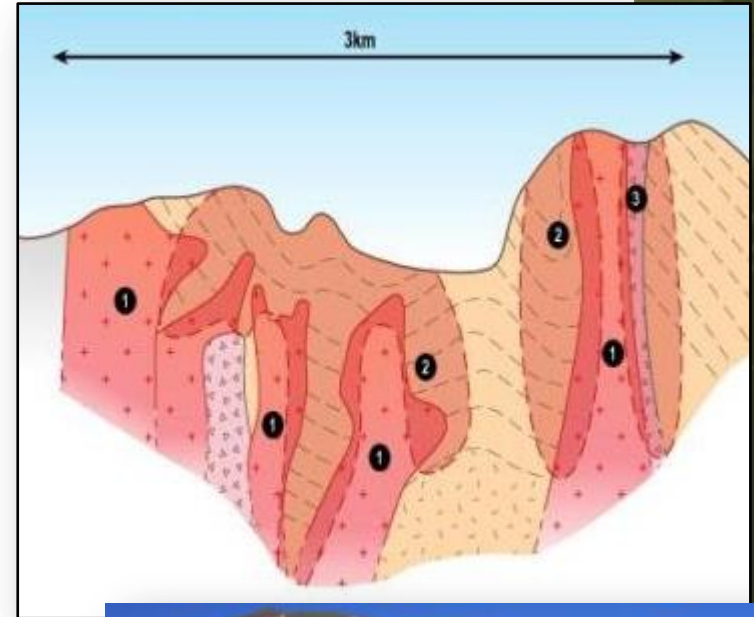




# Chanape & Toromocho



- Cu-Mo-Ag Porphyry System with Au
- Multiple porphyry stocks
- Multiple mineralised breccias
- No skarn mineralisation to date
- Large SP anomaly



- Cu-Mo-Ag Porphyry System
- Multiple porphyry stocks
- Multiple mineralised breccias
- Skarn mineralisation
- Large SP anomaly





# Chanape's Location

Chanape is located in a mining corridor - close to road, rail and power







# 2013/14 - Chanape Time Line

Activity	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Drill Permit (DIA) 10,000m	Approved				
Drilling Program <5,000m	Commenced	Completed (3,000m)			
Drill Permitting (EIASd) >20 platforms (>20,000m)	Base Line F/Work	Processing	Scheduled Approval		
Clay mineral mapping (deep holes)		Commenced			
Drilling Program (under DIA/EIASd)		Scheduled Start	Drilling	Drilling	Drilling



Mount Chanape

Discoloured slopes of Mount Chanape – indicative of highly altered breccias and volcanics

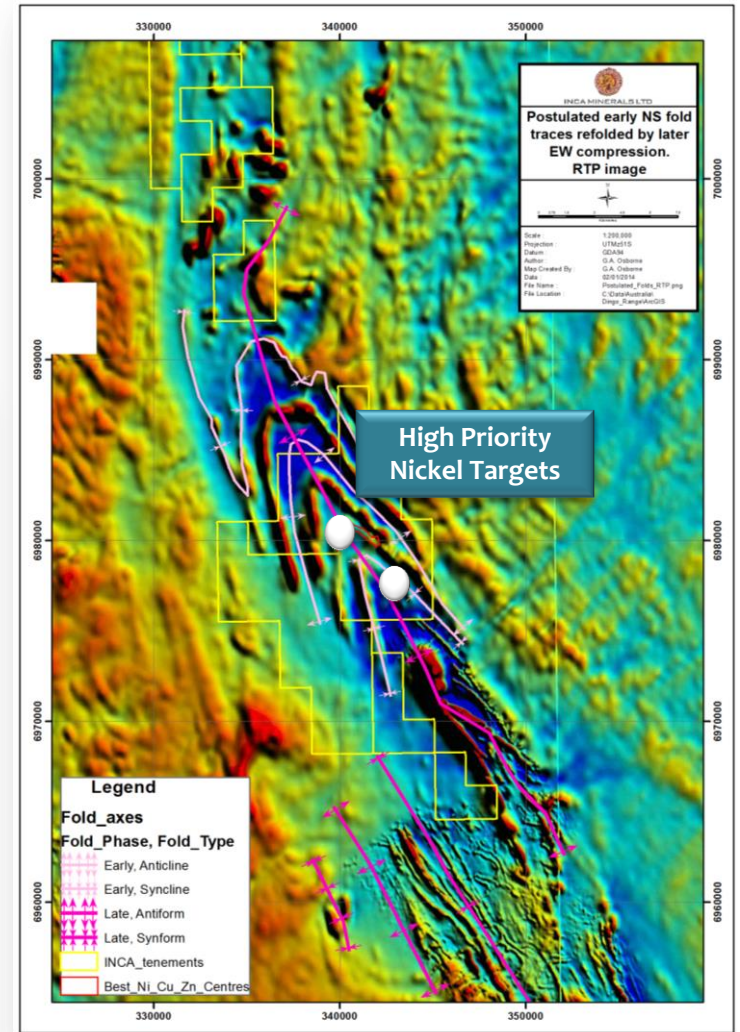
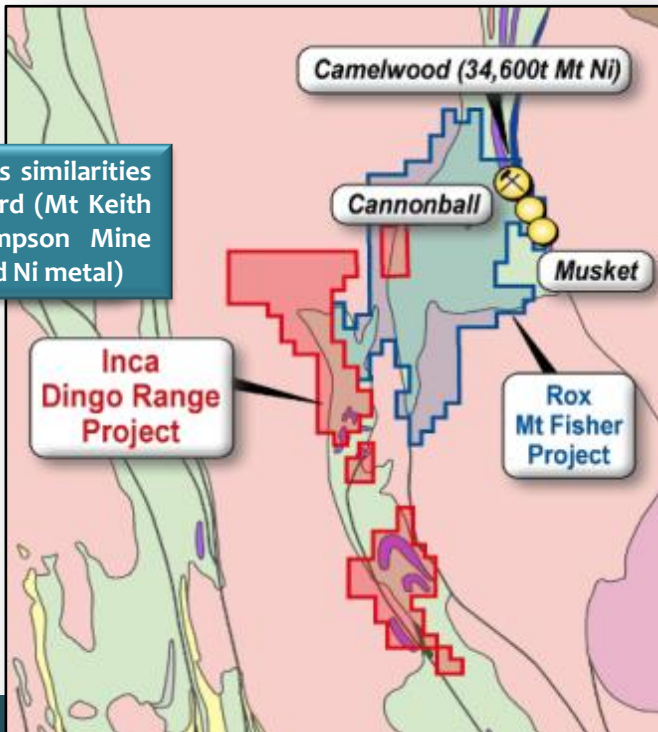


# Dingo Range Nickel

## Dingo Range Nickel Project

- Prospective for Mt Keith/Windara Ni sulphide mineralisation (similar to Rox Resources' Camelwood/ Cannonball/ Musket Ni-discovery at their Mt Fisher Project)
- Existing high priority targets including DR001 which is 10km in length, with elevated Ni and coincident ultramafics

Expert opinion sees similarities with Rocky's Reward (Mt Keith Ni-belt) and Thompson Mine (700,000t contained Ni metal)





# Inca – Why Invest

- ✓ Drilling has confirmed large Cu-Mo porphyry at Chanape – could lead to massive re-rate
- ✓ Steady drilling for 2014-2016
- ✓ Resource building 2014-2018
- ✓ Building in-country/in-company porphyry expertise
- ✓ Incubation of quality South American projects
- ✓ Generating interest from global producers
- ✓ *Very real potential for nickel at Dingo Range (WA)*

## Inca – Value through discovery