

A photograph of a geological rock sample, possibly a mineral specimen, resting on a bed of small, light-colored rocks. A geological hammer is visible in the upper right corner, providing a sense of scale. The rock sample is light-colored with some darker, possibly mineral-rich, veins or inclusions. The background is a natural, outdoor setting with more rocks and some dry vegetation.

Capturing Value Through Discovery

Quaterra Resources Inc.

Dr. Thomas Patton, President and CEO

August 2010



Quaterra
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Forward Looking Statement

Statements contained in this presentation that are not historical fact, such as statements regarding the economic prospects of the Company's projects, the Company's future plans or future revenues, timing of development or potential expansion or improvements, are forward-looking statements as that term is defined in the Private Securities Litigation Reform Act of 1995. Such forward-looking statements are subject to risks and uncertainties which could cause actual results to differ materially from estimated results. Such risks and uncertainties include, but are not limited to, the Company's ability to raise sufficient capital to fund development, changes in general economic conditions or financial markets, changes in prices for the Company's mineral products or increases in input costs, litigation, legislative, environmental and other judicial, regulatory, political and competitive developments in countries where the Company operates, technological and operational difficulties or inability to obtain permits encountered in connection with our exploration and development activities, labor relations matters, and changing foreign exchange rates, which are described more fully in the Company's filings with the Securities and Exchange Commission.

The Company does not undertake to update any forward-looking statement that may be made from time to time except in accordance with applicable securities laws. References are made in this presentation to historic mineral resource estimates. None of these are NI43-101 compliant and a qualified person has not done sufficient work to classify these historic estimates as a current mineral resource. They should not be relied upon and Quaterra does not treat them as current mineral resources.

Quaterra: Strategic Focus

- Mineral exploration company focused on making significant discoveries in North America
- Efforts directed at highly prospective properties with potential to host large and/or high-grade precious metal and base metal deposits
- Focus on acquiring a 100% interest in properties for initial evaluation in mining-friendly locations and on reasonable terms
- Established relationships with major mining companies that preserve cash and upside while advancing projects towards development
- One of industry's most successful exploration teams: moved intact from Western Silver to Quaterra in 2006 following Glamis acquisition
- A pipeline of assets provides a continual cycle of acquisition, exploration, development and monetization
- Commodity fundamentals remain in place, with growing resource nationalism, long lead times for new production and quality-of-life demand for key resources in developing world

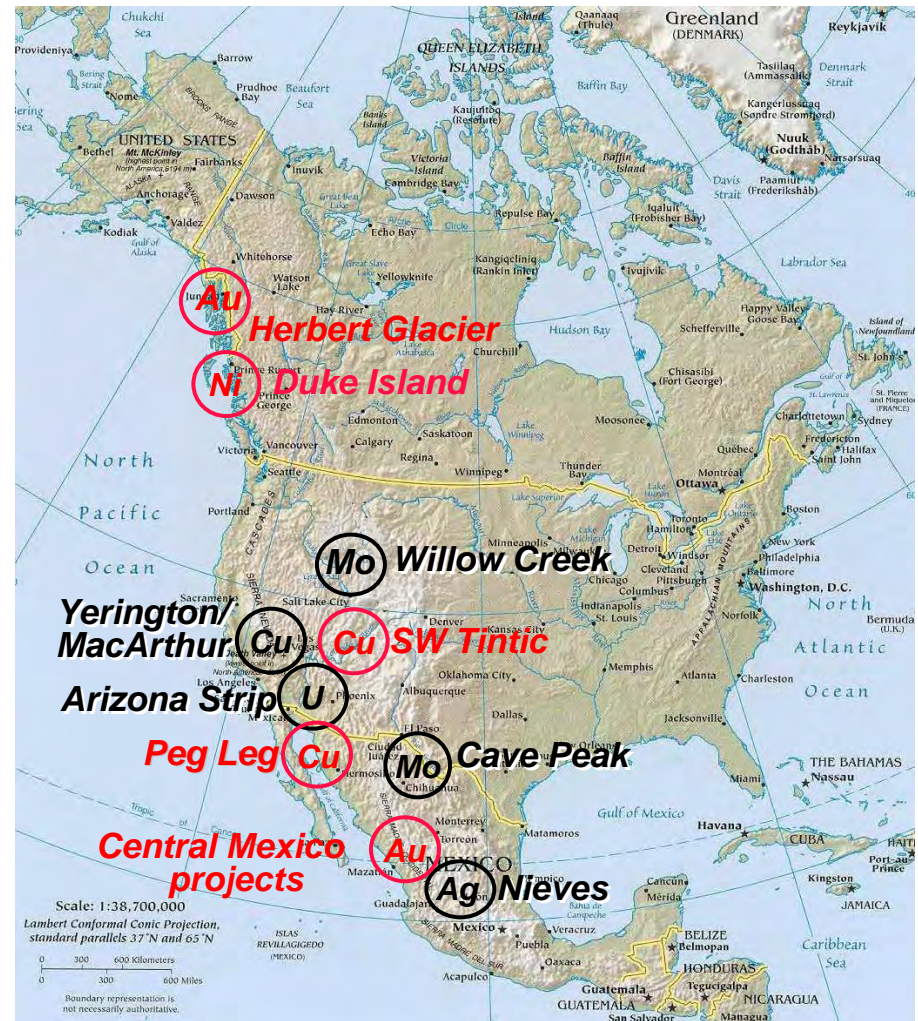
Corporate Profile

Listings:	NYSE-Amex: QMM / TSX-V: QTA
Shares outstanding:	122 million
Fully diluted	147 million
Market cap:	US\$155 million / Cdn\$157 million
Shares traded per day:	NYSE-A: 161,251 / TSX-V: 52,953 (<i>3-month ave.</i>)
Cash position:	Cdn\$6 million
Recent Share Price:	US\$1.27 / Cdn\$1.29
12-month high:	US\$2.42 / Cdn\$2.50
12-month low:	US\$0.59 / Cdn\$0.68
Institutional shareholders:	LA: Maple Leaf Partners, NY: Libra Advisors, NC: Keane Capital, NY: Royce Funds, IL: Peak 6 VA: Davenport & Co.

(As of August 9, 2010)

Creating Value in North America

- Portfolio of gold, silver, copper, uranium, nickel and molybdenum projects under NAFTA umbrella
- Playing to our strengths: North American experience and know-how
- Operating in mining-friendly jurisdictions with a history of permitting and production
- North America offers advanced infrastructure, large markets and ready access to capital and skilled labor
- Long-life discoveries in North America will only become more valuable over time



Projects in red are partnered and require no Quaterra funding

All projects have active drill programs except Arizona Strip & Cave Peak

Peñasquito, the Quaterra Connection

- 1998 to 2006: Western Silver acquired, explored and delineated the Peñasquito gold and silver deposit in Zacatecas state, Mexico
- May 2006: Western Silver acquired by Glamis Gold for US\$1.2 billion
- Nov. 2006: Glamis and Goldcorp merge to create gold and silver giant
- Peñasquito is now Goldcorp's flagship mine with a proven and probable reserve of 17.4 million oz. of gold and 1,045.7 million oz. of silver
- Key Western Silver team members who moved to Quaterra in 2006:
 - Thomas Patton: President/CEO of Quaterra (formerly President/COO Western Silver)
 - Thomas Turner: Senior Geologist (Manager Mexican Exploration, Western Silver)
 - Mexican exploration geologists: Sergio Razo, Yolanda Melendez, Gerardo Molina and Alejandro Melendrez; Landman: Abelardo Garza
 - Joe Inman: Consulting Geophysicist (Geophysical consultant, Western Silver)
 - Robert Gayton and Larry Page: Directors (Directors of Western Silver)
 - Corporate development and investor relations personnel

Precious metals in Mexico

- Focused on finding additional Peñasquito-type deposits
- Strategic alliance with Goldcorp guarantees funding of US\$10m for two years of work
- Gold and silver prospects are in the heart of the Mexican Silver Belt (“Faja de Plata”)
- Land position of more than 950 sq. miles in under-explored areas with operating mines in close proximity
- Favorable mining environment with long history of production and well-developed infrastructure



Quaterra-Goldcorp strategic alliance

- Three-year Investment Framework Agreement where Goldcorp provides US\$10m over two years through two private placements for generative work by Quaterra along Peñasquito trend in central Mexico
- Agreement can be extended to four years if Goldcorp exercises all warrants
- Goldcorp has option to acquire 65% of any property by spending an additional US\$2m over two years on advanced exploration and by completing a bankable feasibility study
- In generative phase, Quaterra will rely on exploration team that made the initial Peñasquito discovery
- In advanced phase, Goldcorp will bring development and mine-building expertise to the table
- At Quaterra's option, Goldcorp will underwrite loan guarantees for mine construction
- Currently 12 properties covering over 950 sq. miles included in Investment Framework Agreement

goldcorp



Americas-Mirasol Gold-Silver Project, Mexico

- Land position of 363 sq. mile in Durango
- Large stockwork quartz veined system identified. Initial hole in 2009 intersected 12 m of 59 g/t Ag
- Large, strong IP anomaly defined adjacent and below drill hole

2010 Plan:

- Four-hole core drilling program will begin in Q3 to evaluate significance of IP anomaly



Location Map

Sierra Sabino Precious Metal Prospect, Mexico

First project to be advanced in Quaterra-Goldcorp alliance under Investment Framework Agreement

- Located in Central Mexican Silver Belt in western San Luis Potosi, approx. 120km south of Peñasquito
- Prospective for intrusive-related precious and base metals mineralization
- Goldcorp to spend US\$1 million in first year (Apr. 2010 – Mar. 2011)

2010 Plan:

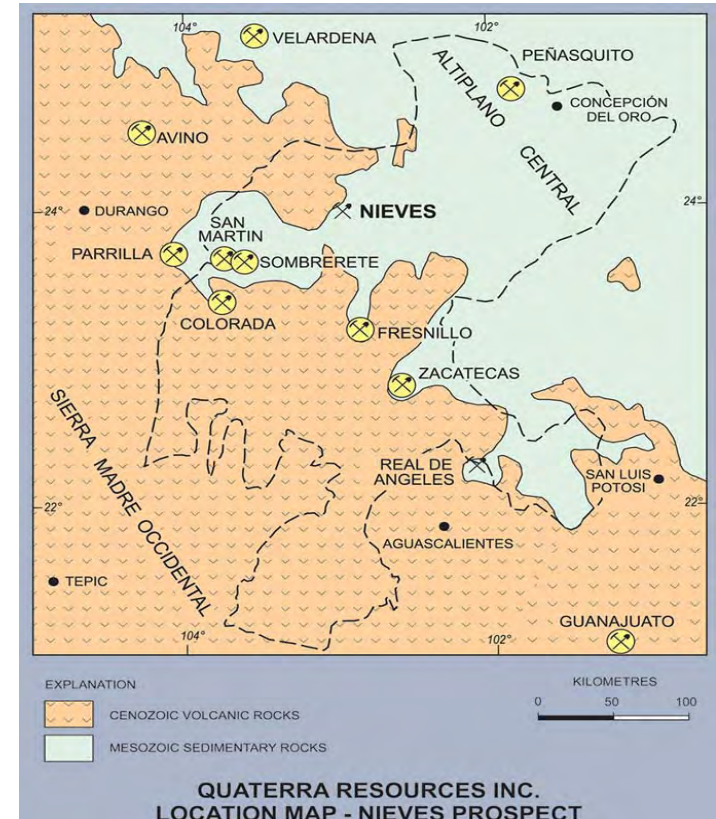
- Geologic mapping
- Induced polarization (IP) survey
- Core drilling program in progress



Nieves Silver Project, Mexico

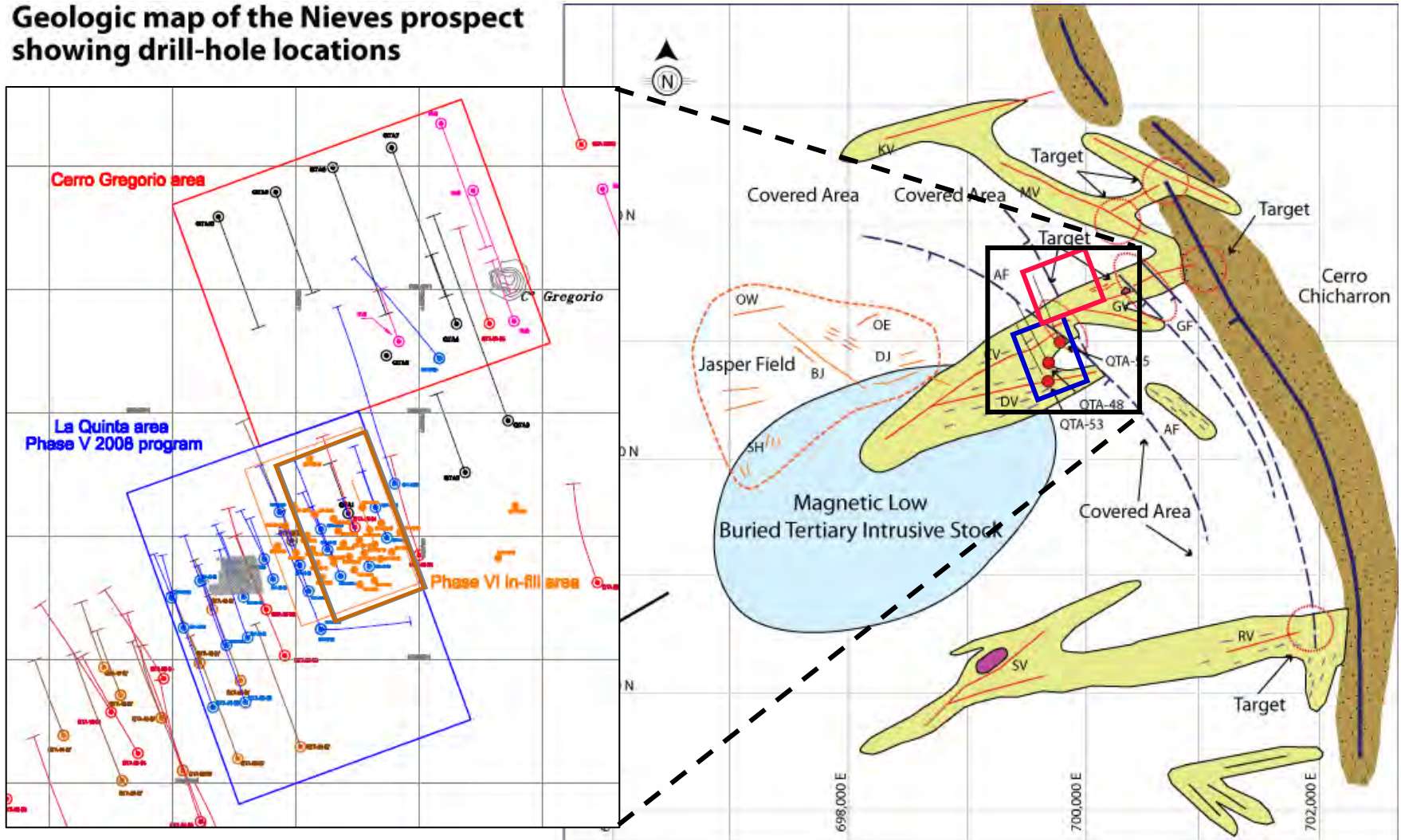
Potential for 'Fresnillo-style' vein system

- 50/50 joint venture with private syndicate
- Strong land position, 18.5 sq. mi., in area of historic production
- 6,173 m drilled in 24 core holes defined high-grade vein and potential bulk-mineable silver mineralization over horizontal distance of 400m, depth of 150-200m and av. true thickness of 40m
- **Indicated resource:** 4.5 m tons av. 103.4 g/t Ag; 15.26 m oz. Ag @ 45 g/t cutoff
- **Inferred resource:** 14.5 m tons av. 83.8 g/t Ag; a further 39.1 m oz. Ag
- Resource calculation covers limited area of prospective ground

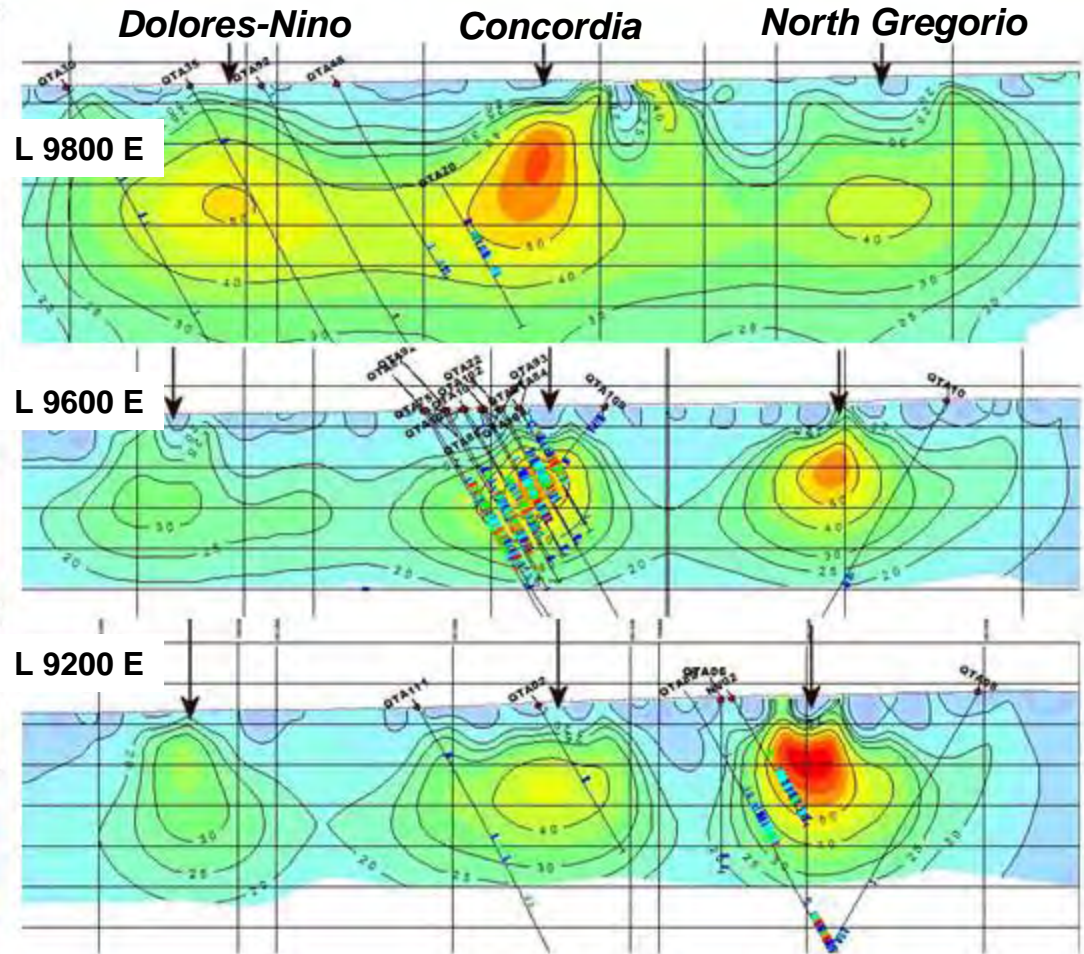
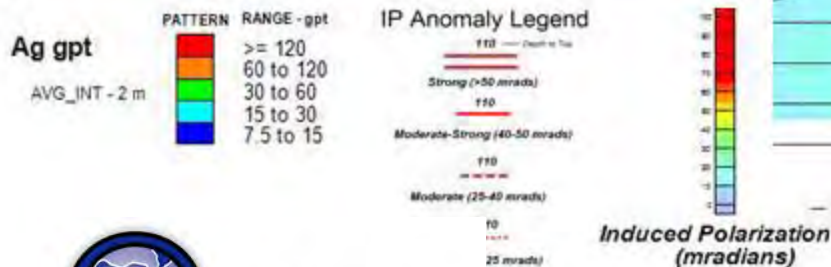
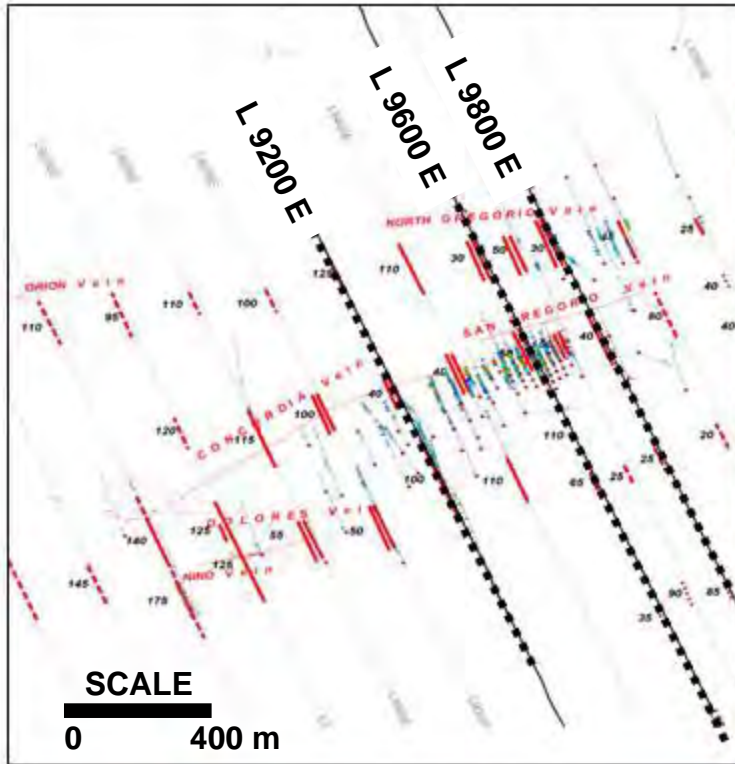


Nieves Geologic Map Showing Drill-Hole Locations

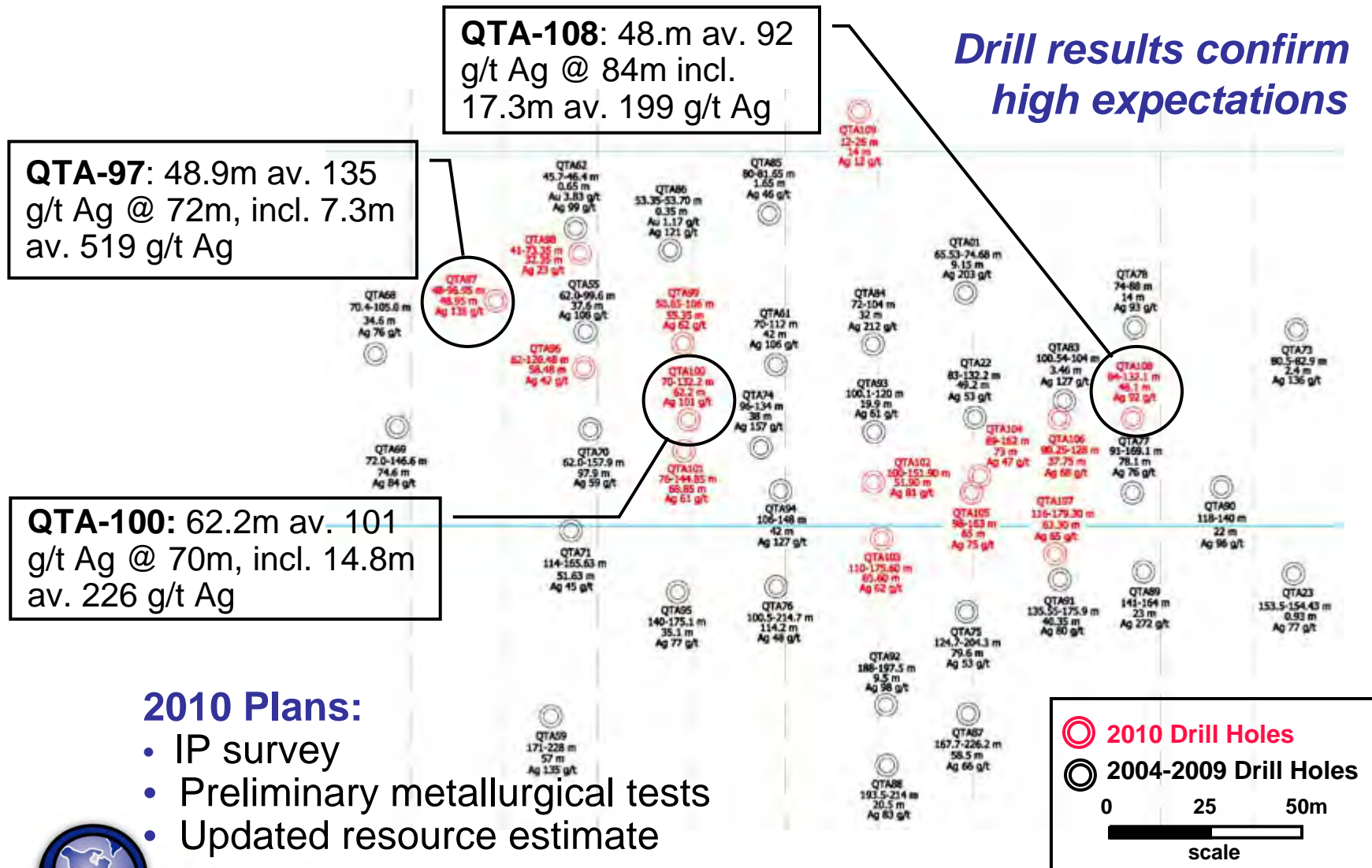
Geologic map of the Nieves prospect showing drill-hole locations



Nieves Induced Polarization Geophysical Survey



Nieves Silver Project, Concordia Long Section



Copper in the United States

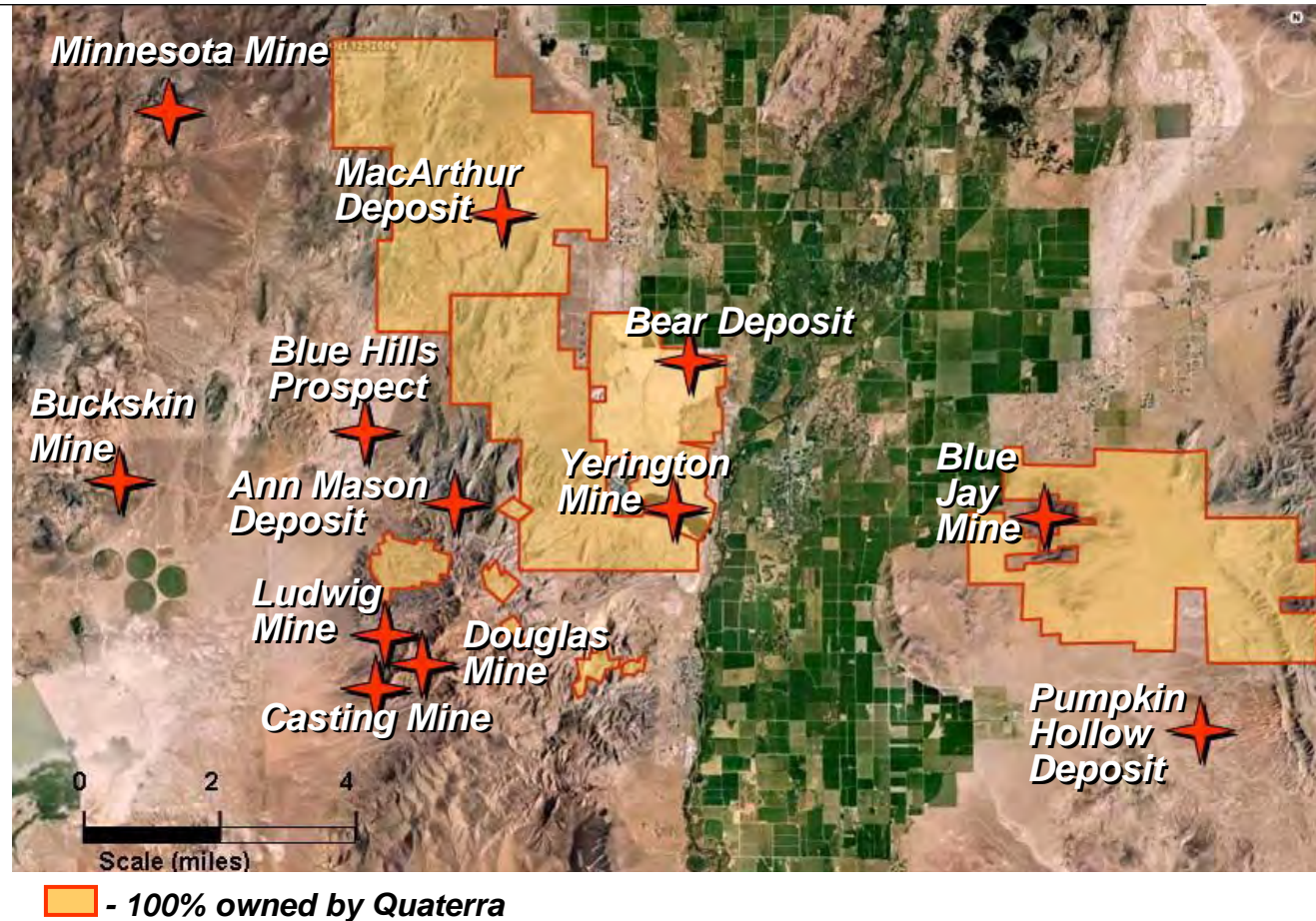
- Focused on assembling a portfolio of high-quality copper properties in the Western United States
- Large land position containing known oxide and porphyry copper deposits in Yerington copper mining district
- Consolidating district-scale land position, expanding an oxide resource and drilling for primary copper mineralization
- Concluded exploration deals on two properties with Freeport McMoRan Exploration Corporation for total funding of Cdn\$8m
- Both properties are in major porphyry copper districts: not wildcat staking



Yerington-MacArthur Copper District, Nevada

A world-class copper district in western Nevada, 75 mi SE of Reno

- Global resources exceed 2.1 billion tons av. 0.4% Cu
- 3 porphyry Cu deposits (Yerington, Ann Mason, Bear-Lagomarsino)
- 2 large Cu skarn deposits (Pumpkin Hollow and Minnesota)
- 1 Cu oxide deposit (MacArthur)



A total district metal endowment of 16 billion pounds of copper

Yerington Copper Mine

An opportunity to consolidate the district

- Arimetco assets acquired for \$500,000 cash, 250,000 shares and 2% NSR royalty capped at US\$7.5 million
- Closing subject to environmental clearance

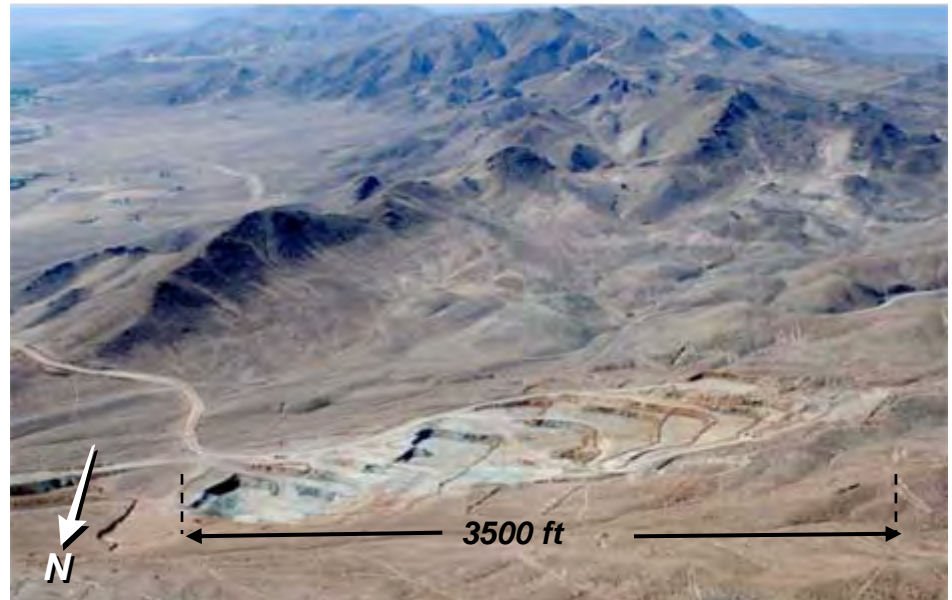


Property includes water rights and well developed infrastructure

MacArthur Copper Mine

A stand-alone, fully-stripped copper oxide deposit with potential for expansion

- NI43-101 resource calculation (Feb. 2009)
- Recent drilling enlarged acid soluble copper zone and primary sulfide mineralization
- Low-cost, run-of-mine SXEW project
- In heart of Yerington-MacArthur copper district



2009-2010 MacArthur Drill Results

99,247 feet drilled in 156 RC and 52 core holes

Defined 4,000 ft of continuous leachable Cu along E-W strike 1,500 ft N of MacArthur pit

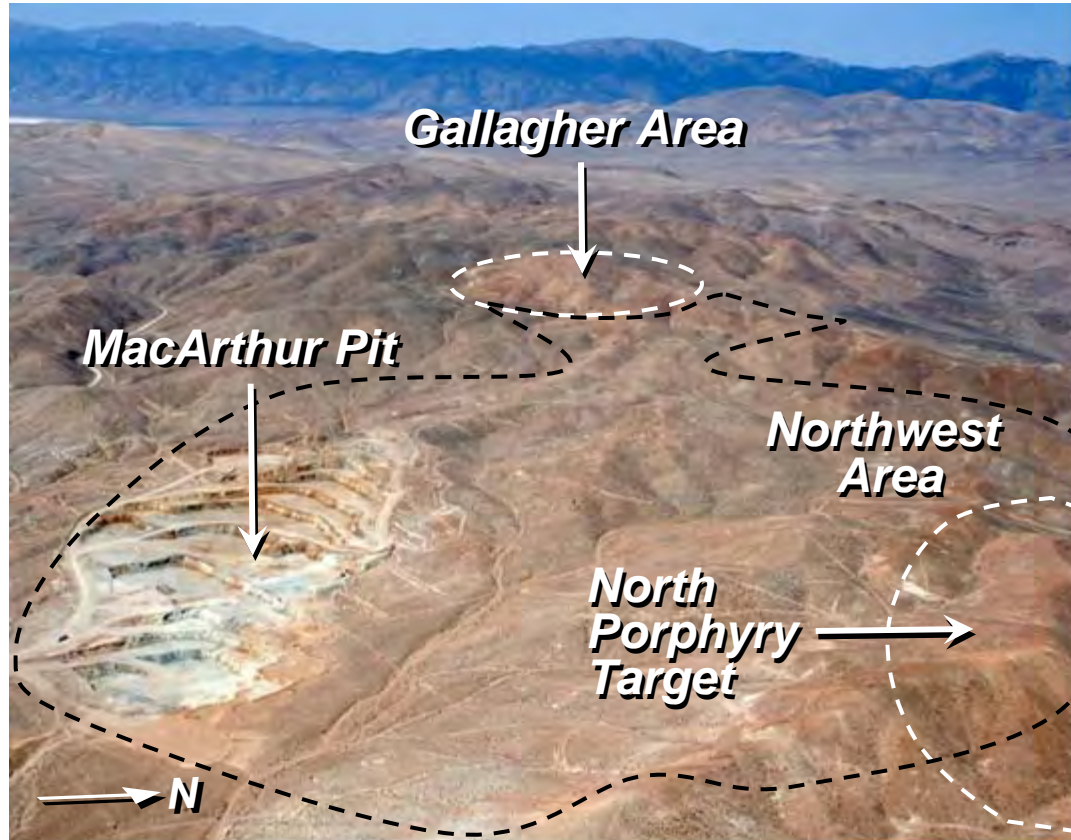
- QM-34: 210 ft @ 0.51% Cu

Discovered zone of leachable copper below oxide deposit and in the NW and Gallagher Areas

- QM-60: 260 ft @ 0.38% Cu
- QM-106: 70 ft @ 0.40% Cu

Identified primary sulfides related to a possible porphyry system at depth N of pit

- QM-68: 115 ft @ 1.15% Cu
- QM-70: 45 ft @ 1.02% Cu



Discovered porphyry copper mineralization west of pit at Gallagher

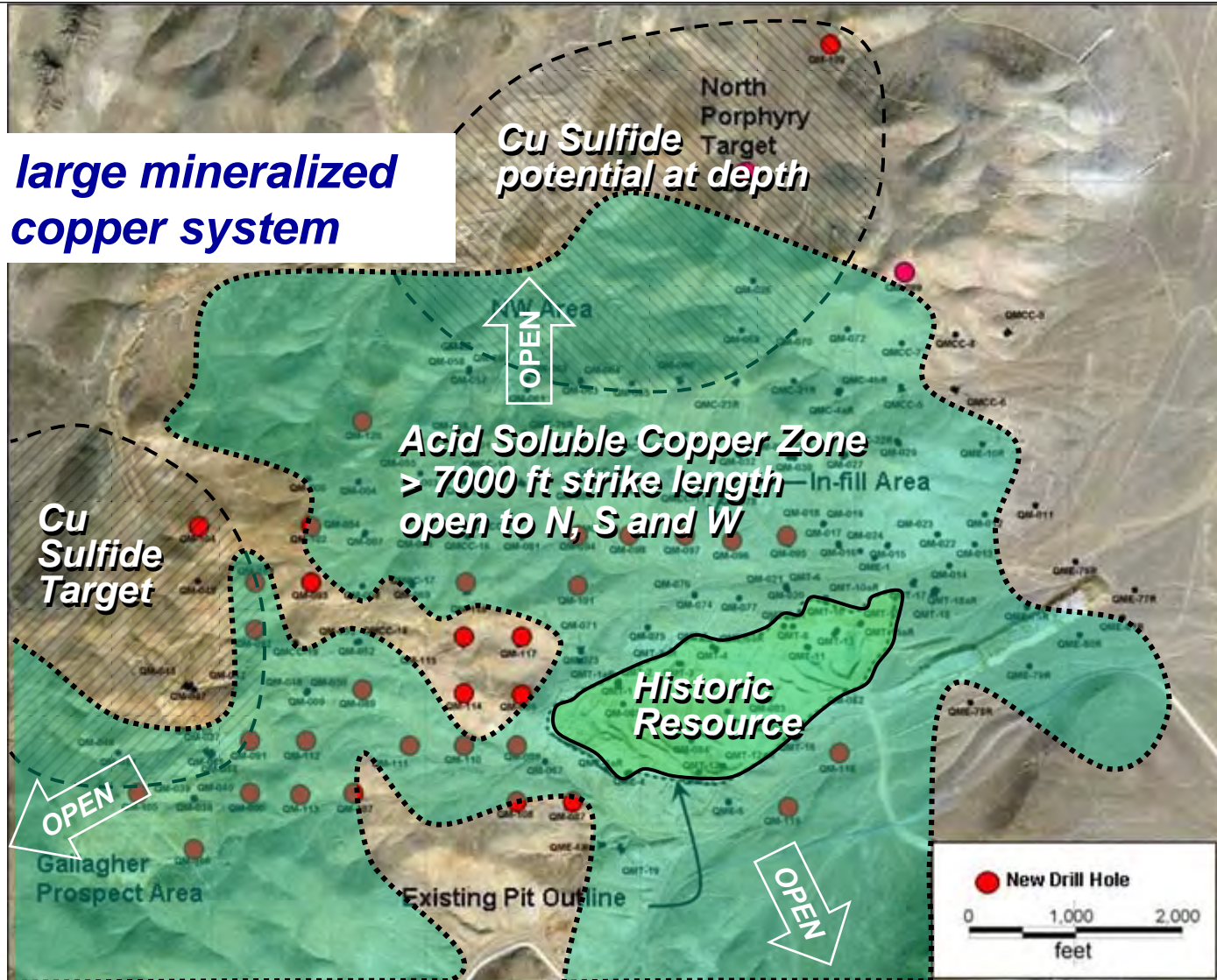
NI43-101 Resource With Additional Cutoff Grades

MacArthur Copper Project – Measured and Indicated Copper Resources				
	Cutoff Grade (%TCu)	Tons (x1000)	Average Grade (%TCu)	Contained Copper (lbs x 1000)
<i>Oxide and Chalcocite Material</i>	<i>0.18</i>	<i>57,365</i>	<i>0.239</i>	<i>273,653</i>
Oxide and Chalcocite Material	0.20	39,078	0.262	204,463
Oxide and Chalcocite Material	0.25	14,617	0.332	96,964
MacArthur Copper Project – Inferred Copper Resources				
<i>Oxide and Chalcocite Material</i>	<i>0.18</i>	<i>75,832</i>	<i>0.283</i>	<i>429,336</i>
Oxide and Chalcocite Material	0.20	57,484	0.313	359,766
Oxide and Chalcocite Material	0.25	29,287	0.401	234,917

Tetra Tech Inc. NI43-101 (Feb 09)

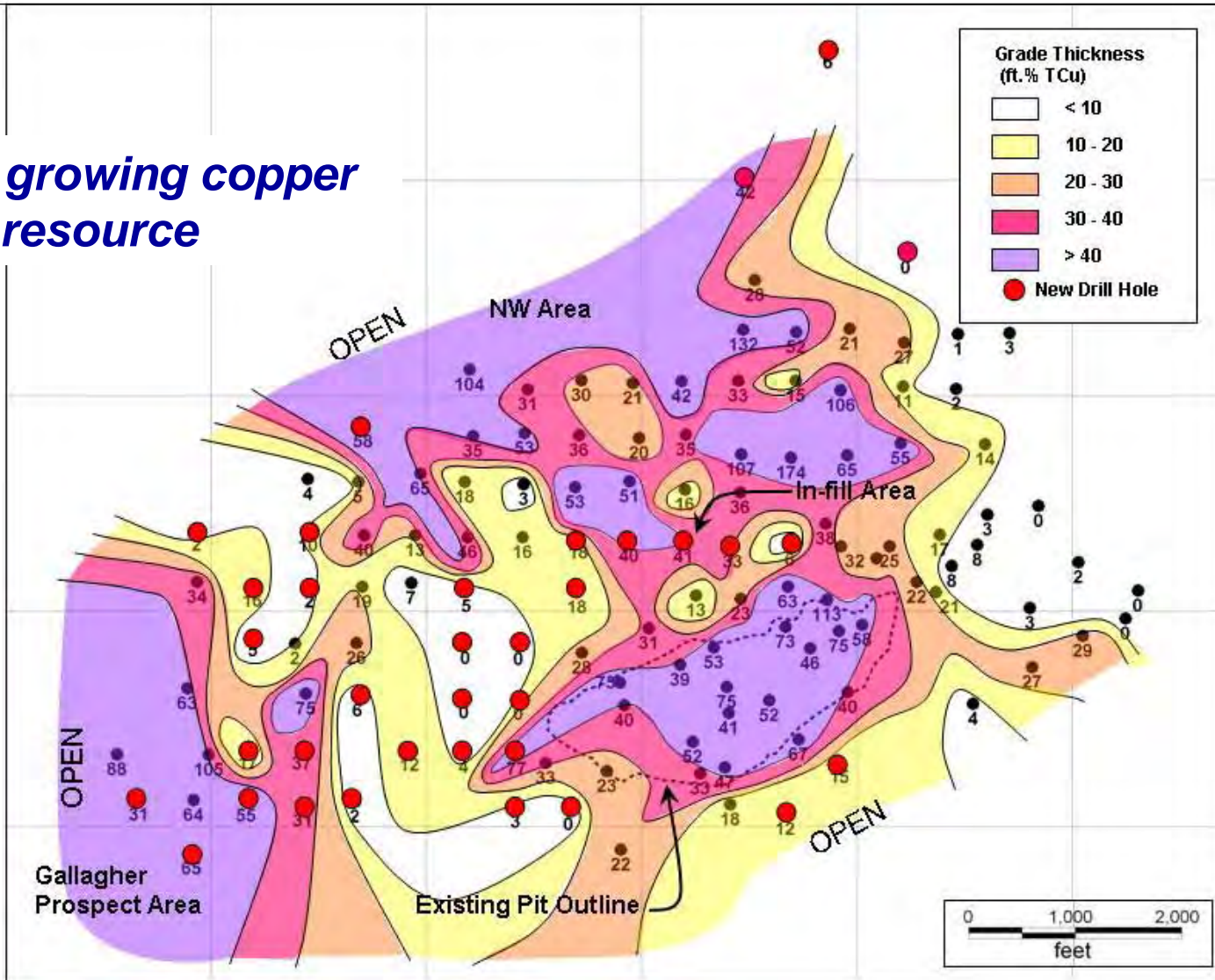
MacArthur Mineralization

A large mineralized copper system



MacArthur Grade Thickness Map

A growing copper resource



MacArthur Future Plans

Tetra Tech technical report identifies potential for resource expansion and recommends drilling to do so

- 274-hole Plan of Operations approved by BLM
- 44,000 feet drilling program in progress
- RC drilling to expand SXEW copper and deep core drilling to test North Porphyry target for primary sulfide mineralization
- Additional metallurgical testing and scoping studies



Quaterra-Freepport strategic alliance

- Earn-in agreements with Freeport McMoRan Exploration Corporation (Freeport) for two projects with potential funding of US\$8m
- SW Tintic project, Utah: Freeport has option to acquire 70% by spending US\$5m over four years, including a minimum of \$750,000 by Aug. 29, 2010
- Freeport to fund Quaterra to bankable feasibility study or convert its interest into 1% NSR if feasibility is not completed
- Peg Leg project, Arizona: Freeport has option to acquire 70% by spending US\$3m by Dec. 31, 2012
- Freeport have initiated a RC/core drilling program

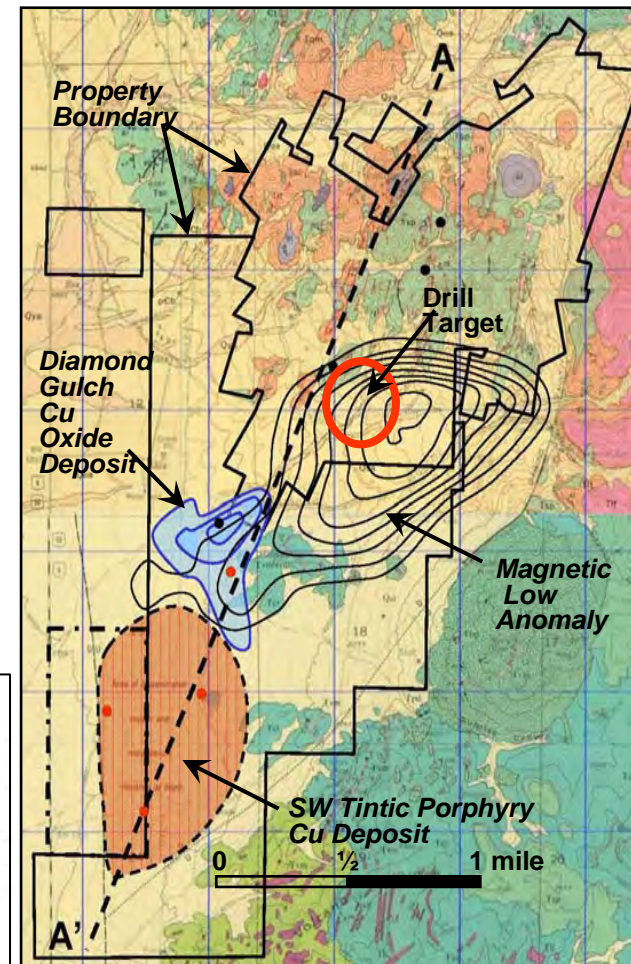
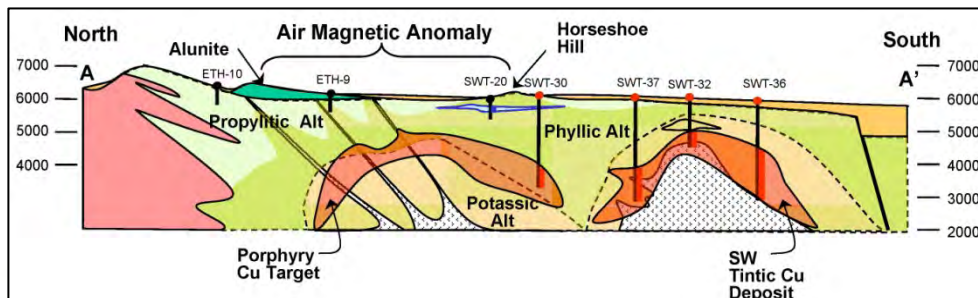


SouthWest Tintic project, Utah

SW Tintic Copper Project, Utah

An under-explored district with 'Resolution-style' potential

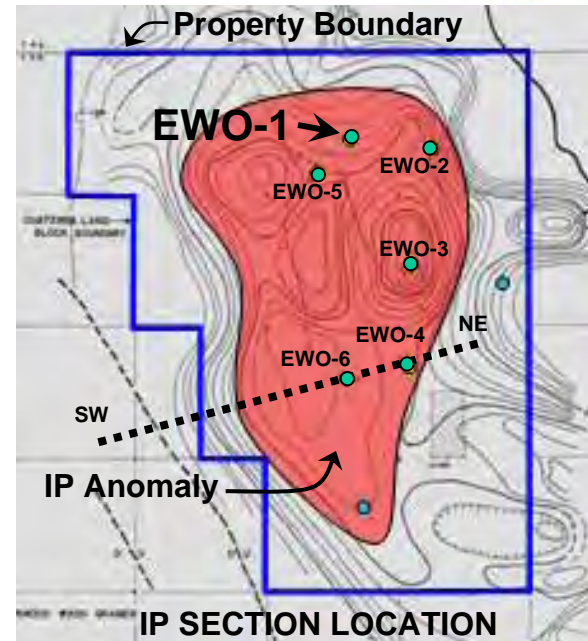
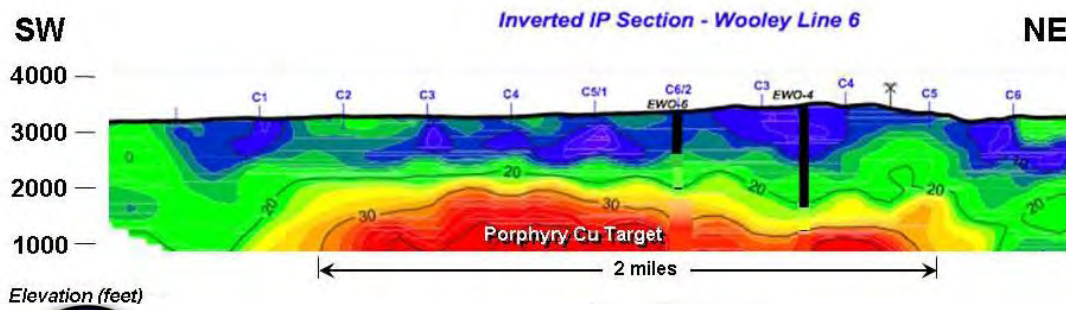
- 5 sq. miles of mineral rights incl. 1,511 acres of patented claims
- Copper deposit with historic (non NI43-101 compliant) resource estimate of 400 M tons av. 0.33% Cu, 0.01% Mo, & 0.002 opt Au tested by only four holes
- Large magnetic low and widespread alteration define untested 2nd porphyry copper target thought related to world-class Tintic Silver District 4 miles north
- Freeport recently completed a 7-line, 37.2 km MR/IP polarization ground geophysical survey



Peg Leg Porphyry Copper Project

A premier copper prospect in the heart of Arizona's elephant porphyry country

- 12 miles south of Ray porphyry copper deposit
- 11 square miles of property controls a classic San Manuel-Kalamazoo-type target
- Historic drilling defines upper fringes of a porphyry system with a large IP anomaly
- Only EWO-1 was deep enough to test favorable phyllic/potassic zone (473 ft av 0.054% Cu at 2,810 ft)
- Drilling scheduled for Q3, 2010



Other projects

Alaska

Duke Island copper-nickel-PGE project

- Concluded deal with Copper Ridge Exploration to spend Cdn\$3m for 65% interest (\$750,000 spent by Dec. 31, 2010)
- Completed five drill holes; assays pending

Herbert Glacier gold deposit

- Concluded deal with Grand Portage Resources to spend US\$750,000 on or before June 15, 2011 for 51% interest

Arizona Strip

- Actively seeking partner for Arizona Strip uranium assets to unlock value of recent discoveries
- Work on hold pending a deal



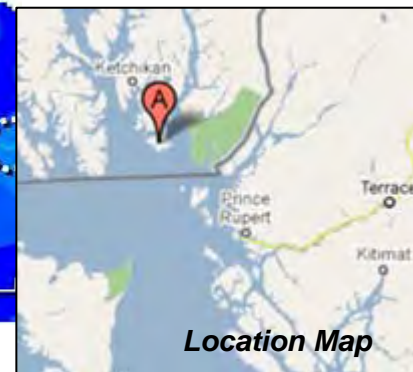
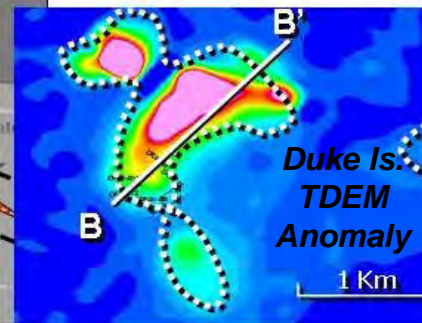
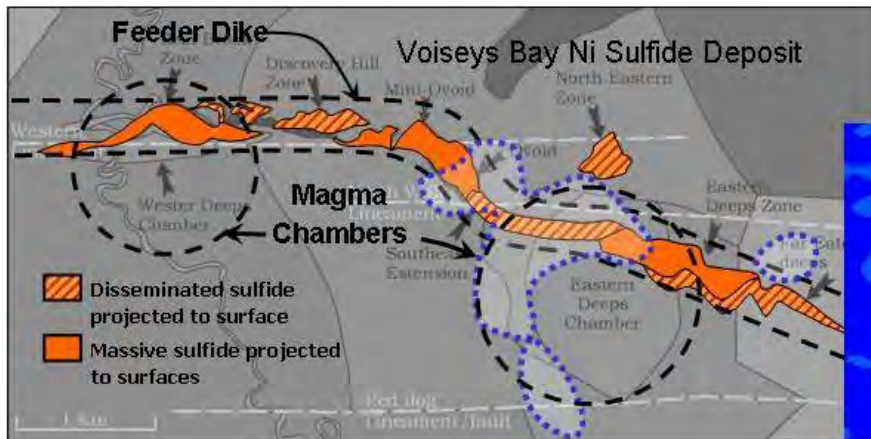
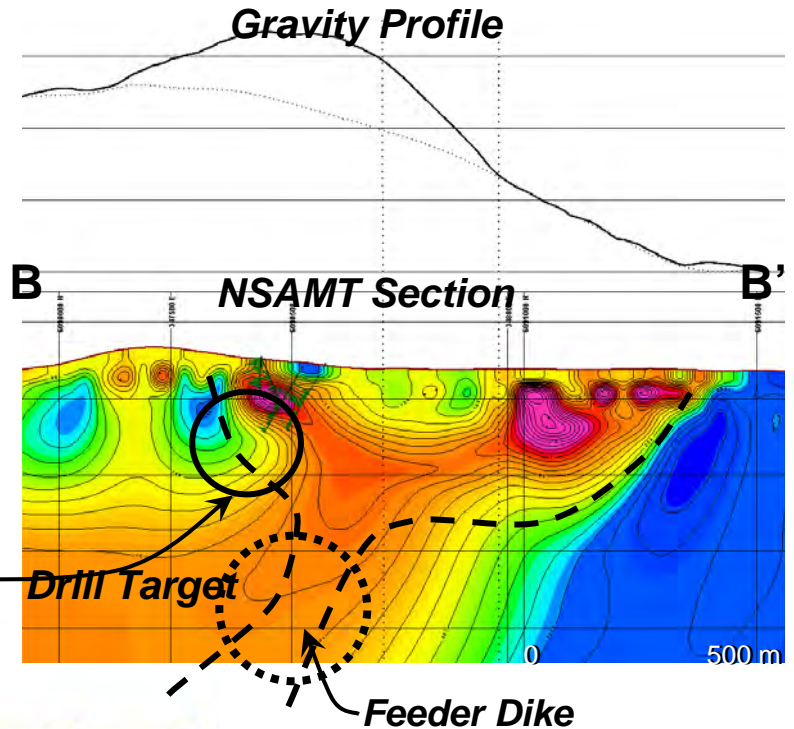
Duke Island, Alaska

Duke Island Cu-Ni-PGE Project, Alaska

A 'Voisey's Bay-scale' anomaly with similar geometry

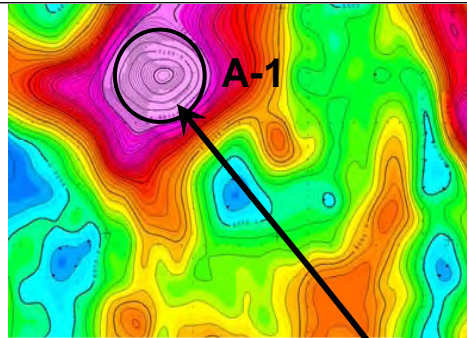
- Identified a conductive "keel" that may be massive sulfide mineralization related to feeder acting as conduit for magmas
- Gravity high is coincident with conductive anomaly at depth
- Copper Ridge can earn 65% by spending Cdn\$3 million; drilling summer 2010

DK05-01: 100ft. @ 0.23% Cu, 68 ppb Pt, 72 ppb Pd



Arizona Strip 2008 Airborne VTEM, Drill Results

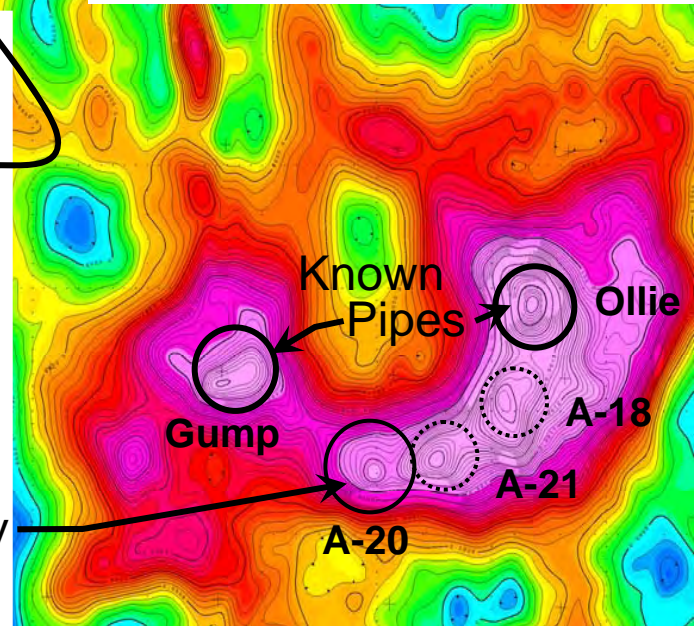
- Covered 422 square miles
- Detected most known pipes and > 200 high to mod. priority anomalies with similar signatures



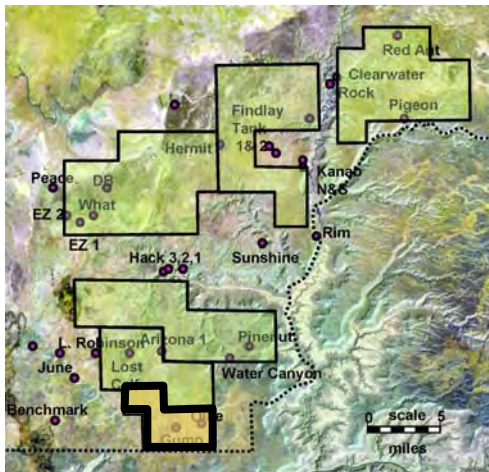
- Drilling at A-18 and A-21 defined probable pipe structures with up to 40 ft of closure in the upper Kaibab horizon

- A-1 blind breccia pipe discovered on first VTEM anomaly drilled (First new mineralized breccia pipe identified in 18 yrs)

Second VTEM anomaly drilled discovered A-20
 A-20-1: 34.5 ft @
 0.37% incl. 6.5 ft @
 0.63% U3O8



VTEM SURVEY LOCATION MAP



2010 Milestones

- Identify, evaluate and drill high-priority precious metals targets with strategic partner Goldcorp in central Mexico
- Nieves: expand resource estimate
- Freeport McMoRan Exploration Corporation to complete initial drilling at SouthWest Tintic and Peg Leg
- MacArthur: new resource estimate and drill for primary copper mineralization
- Investigate joint venture opportunities for Herbert Glacier and Arizona Strip
- Minimize cash burn and dilution



Cave Peak, Texas

Quaterra's Investment Opportunity

Adding value through pursuing new mines in North America:

- Focused in North America on exploring and developing properties with the potential to host large and/or high-grade metal deposits
- Targeting an initial 100% interest in properties that have outstanding geological potential and mine-friendly locations
- Management team and network of industry contacts with a proven track record in mineral discovery and development
- Alliances in place with partners to transition from discovery to development
- Financial heavy lifting done by majors to mitigate cash burn and dilution while preserving upside for shareholders with discovery
- Pipeline approach ensures new properties added as others advance

A scarcity of new discoveries and long lead times to new production ensure that exploration successes will be rewarded