



# Gold in the Heart of the Yukon

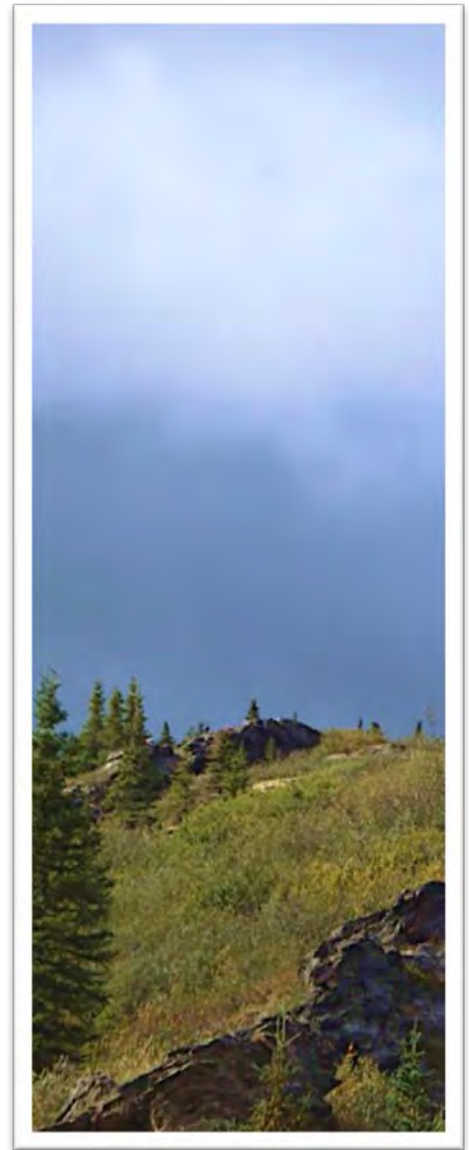
Corporate Presentation • May 18, 2018

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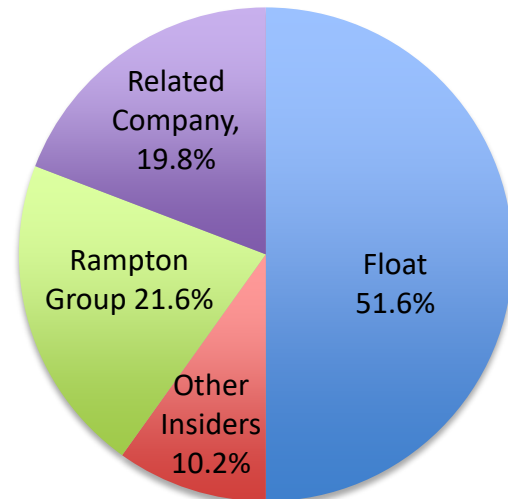


# Corporate Snapshot <sup>1</sup>

Total Shares Outstanding	48,180,000
Warrants at \$0.15	4,920,733
Stock Options at \$0.10	2,100,000
Restricted Share Units at \$0.10	1,025,000
Finder's Warrants at \$0.15	80,955
Total Shares Fully Diluted	56,387,818

Basic Market Cap for MLM: \$5.17MM<sup>2</sup>

Calculated Market Cap Valuation for MLM \$5.70MM<sup>3</sup>



**Assets:** Five claim groups totaling 231 square kilometres with accessible infrastructure, in the highly prospective Tombstone Plutonic Belt, in one of the top-ranked global mining jurisdictions.



1. Issued shares, options, warrants as of May 18, 2018 2. Shares issued multiplied by 10¢; debt converted to shares; all transactions have been at 10¢/share

3. Average of (i) comparable company MCs (May 14, 2018), (ii) total acquisition and exploration expenses and (iii) shares issued, multiplied by present value of shares (10¢) with full conversion of debt

# Management Expertise

Officers and directors have extensive experience in mineral exploration and project development and participated in Au/Cu acquisitions, discoveries, mining developments in Canada, USA, Jamaica, Europe and Africa. Rampton and Sutherland have backgrounds in Yukon exploration.

## **Dr. Vern Rampton, P.Eng., President, CEO and Director**

- over 20 years field experience in Yukon
- negotiated Kinbauri Gold Corp's acquisition of the El Valle/Carlés mines and mill in northern Spain for \$5 million in 2007. In 2009, Orvana Minerals acquired Kinbauri for \$50 million.
- founder, senior advisor and director of Carube Copper Corp and president, CEO and director of European Ventures Inc.

## **Tyrell Sutherland, M.Sc., P.Geo., Vice President Exploration**

- 10 years field-oriented experience in northern Canada
- exploration geologist with experience spanning 3 continents and a variety of mineralized terrains
- formerly employed with Anglo-Gold Ashanti, Goldcorp, Ivanhoe Mines China

## **David Ewart, CPA, CA, CFO**

- responsible for organizing, negotiating and planning multi-million dollar venture capital financings plus mergers and acquisitions
- E.M. Consulting, Principal from 2009; MDS Group, CFO 2001-2009; Bank of Montreal, Director of Finance (CEBRA division), 1999-2000; MDS Aero Support Division, Controller and VP, 1988-1999

## **Lee Bowles, Independent Director**

- managing partner, Ironstone Capital Corp. since 2012
- involved with several leading independent dealers in Toronto, New York and London in the areas of fixed income trading, investment banking and institutional equity sales since 1994
- director at Richmond Minerals Inc. since 2005

## **Greg LeBlanc, B.A., M.A., Independent Director**

- over thirty-five years' experience in the currency and financial industries
- Vice-President RBC 1996-2009; specialized in commodity and currency trading
- on the boards of several quasi-governmental institutions

## **Darrell Munro, BBA. LL.B., Corporate Administrator**

- 10 years practice of law
- 10 years in capital markets
- 20 years corporate administration for both public and private companies

## **Jeffrey Ackert, BSc., Chief Technical Officer and Director**

- over 25 years experience in mineral exploration
- Lac Minerals 1990-1994; Barrick Gold Corp. 1994-1996
- Orezone Resources Inc. 1996-2007; CEO and President of Carube Copper Corp.

# Yukon Property Highlights

Ideally located highly prospective large land package in mining-friendly jurisdiction

## Five claim groups, 231 square kilometres

- Anderson-Davidson: flagship property, Anderson Gold Trend, 10km of gold structures and gold anomalies<sup>1</sup> ready to drill
- Trail-Minto: long linear gold anomalies, Roaring Fork Stock
- Carlin-Roop: precious and base metal potential identified by geochemistry and geophysics
- Edmonton: gold anomaly on edge of large geophysical anomaly
- Cascade: prospective geology, 2,250 ppb Au soil anomaly

## Located within Tombstone Plutonic Belt, highly prospective for orogenic and intrusive-related lode gold deposits

- Properties show similarity to Gold Strike's Plateau Project
- Tectonics associated with Robert Service and Tombstone faults provide conduits for gold-bearing fluids
- Tombstone Stocks probable host and/or source of gold in intrusion-related gold deposits
- Numerous active and historical placer operations and overlooked gold and gold-indicator anomalies from 1960s

## Mine-supportive environment

- Yukon government and local First Nations supportive of mining
- Infrastructure available on or near properties
- All properties accessible by road, or lake (barge/winter road)



1. Gold anomalies are gold in soil



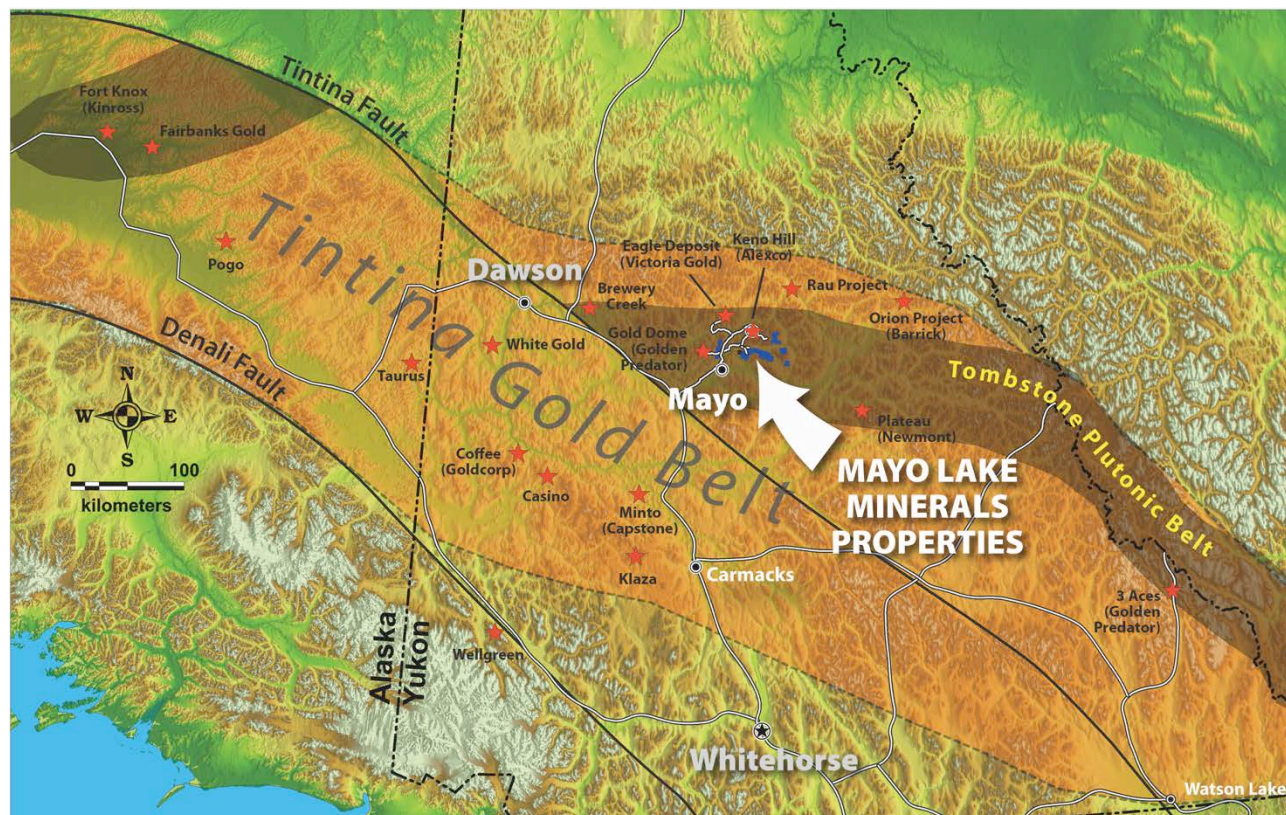
# Tintina Gold Province

## Tintina Gold Province

- Numerous gold discoveries under development
- Goldcorp developing Coffee Gold project — 5Moz Au
- Barrick partnering on Nadaleen Trend
- Agnico Eagle investing in White Gold

## Tombstone Plutonic Belt

- Intrusion-related
  - Fort Knox — 10Moz Au
  - Dublin Gulch — 6.3Moz Au<sup>1</sup>
  - Brewery Creek
  - Gold Dome
- Orogenic Lode Gold
  - Plateau: 13.3g Au/t over 21m<sup>2</sup>  
Newmont must invest \$53M for 75% interest
  - 3 Aces<sup>3</sup>: 14.8g Au/t over 11m  
65.3g Au/t over 13.8m  
50.4g Au/t over 8.0m
- Mayo Lake Minerals claim groups all lie within the Tombstone Plutonic Belt

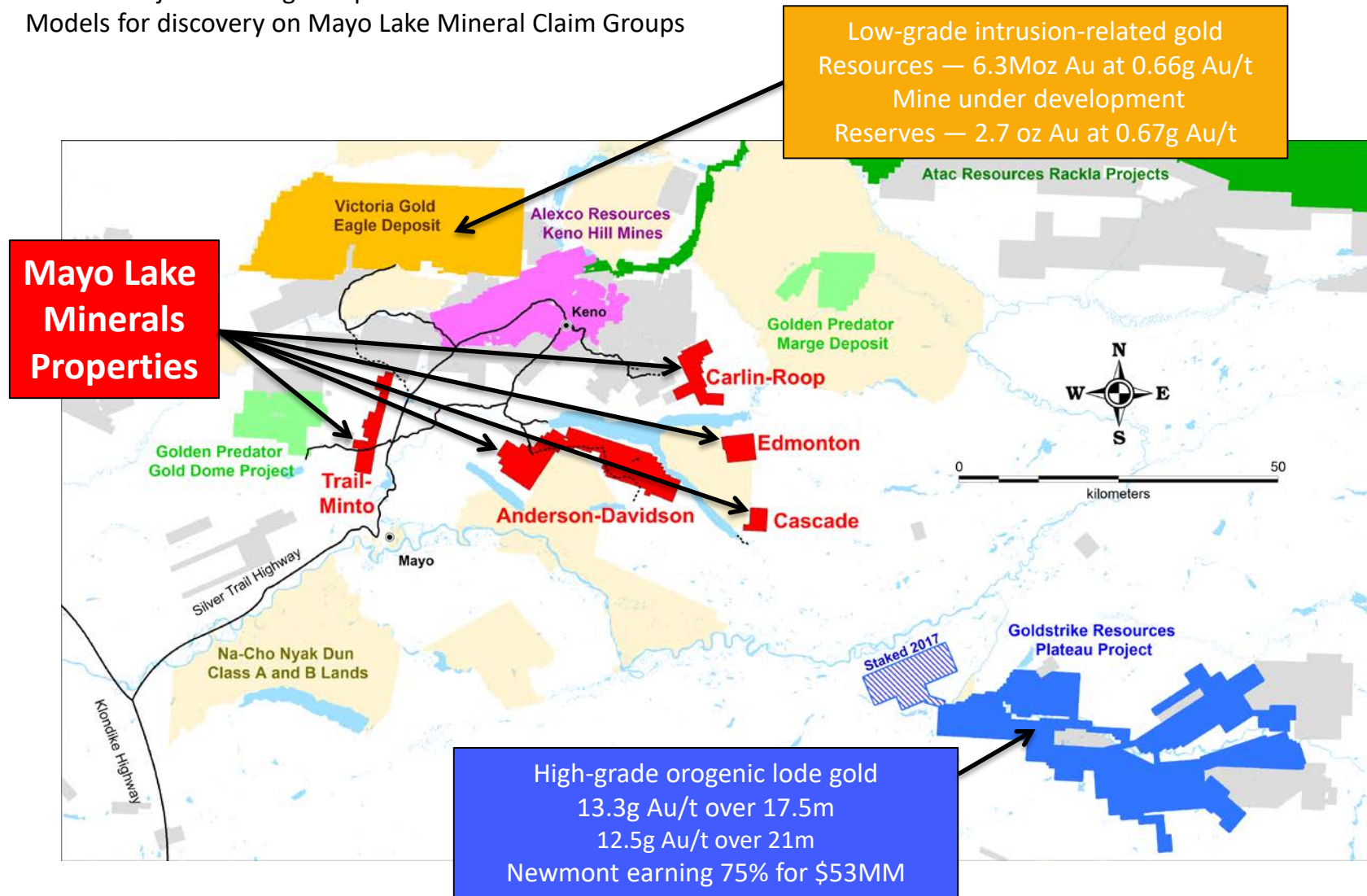


<sup>1</sup> Resources with average grade 0.66 g Au/t reported 2011

<sup>2</sup>True width <sup>3</sup> True widths: 50-100% of reported interval

# Prolific Mineral Setting

Plateau Project and Eagle Deposit:  
Models for discovery on Mayo Lake Mineral Claim Groups





# Brief History and Future Plans

## 2011-2012

- Research prospective ground in Mayo Mining District
- Advice and direction from Dr. Chris Gleeson, renowned economic geochemist, who in 1960s headed GSC's Operation Keno covering much of Mayo area
- Stake prospective ground

## 2012-2016

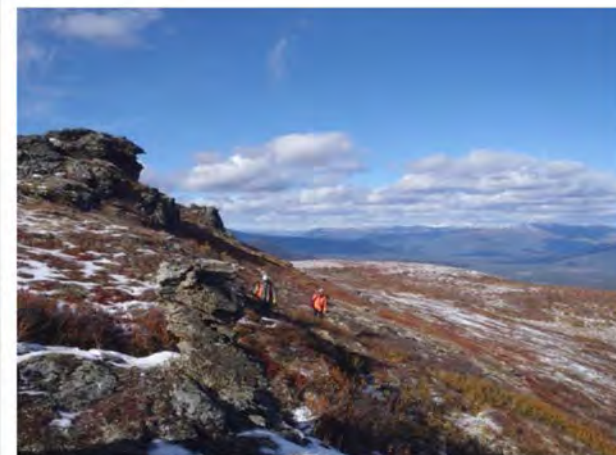
- Finalize acquisition of properties
- Complete airborne geophysics, reconnaissance exploration to systematically identify primary target areas and produce robust drill targets

## 2017

- Soil Sampling and prospecting properties to refine drill targets
- RC drilling on flagship, Anderson-Davidson, indicate that mineralization is similar to that found at Plateau Project

## 2018

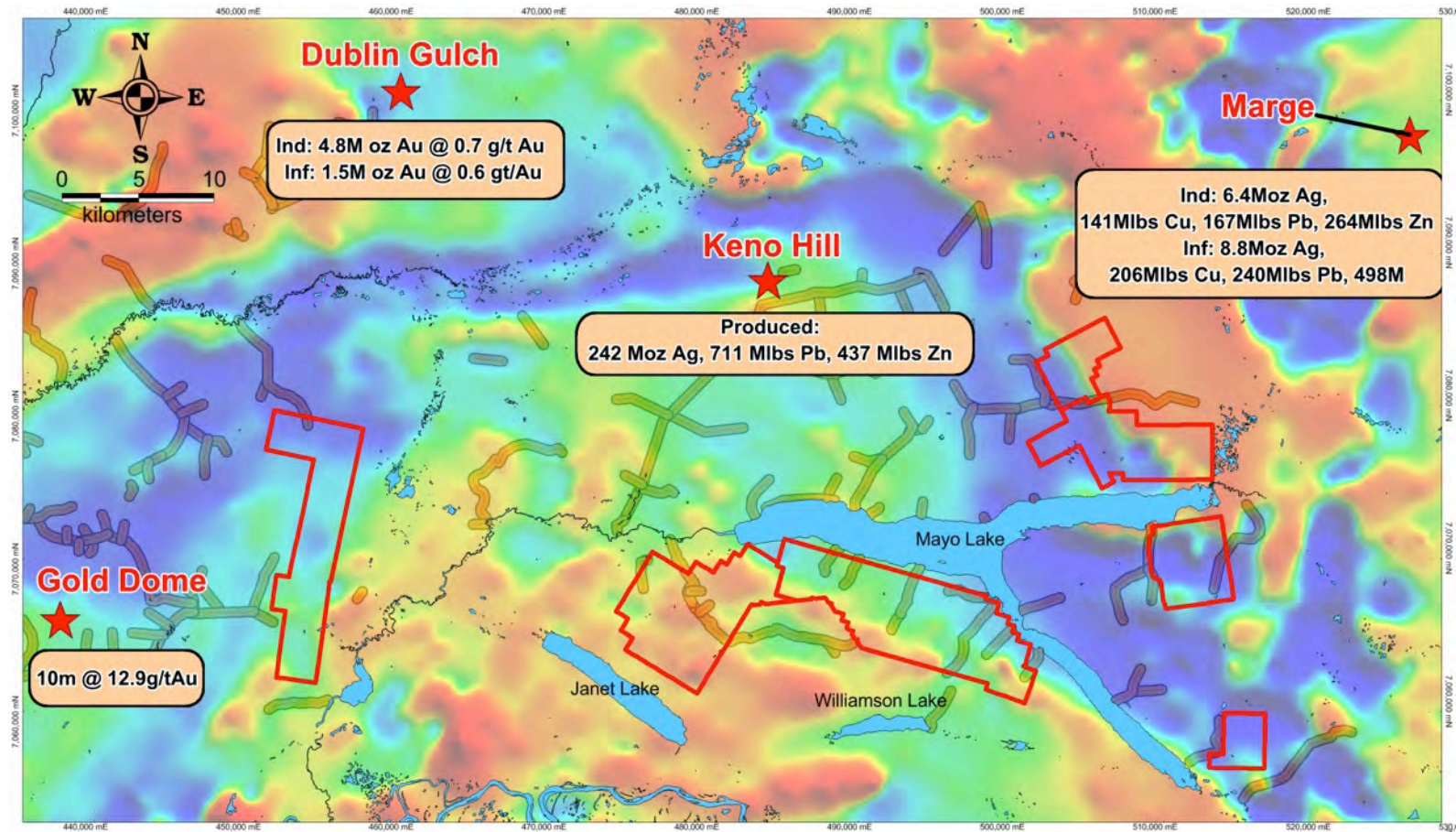
- Diamond drilling on Anderson Gold Trend
- Soil sampling to refine drill targets in Trend
- Trenching and soil sampling on Trail-Minto and Carlin-Roop
- Soil sampling and prospecting on Cascade and Edmonton





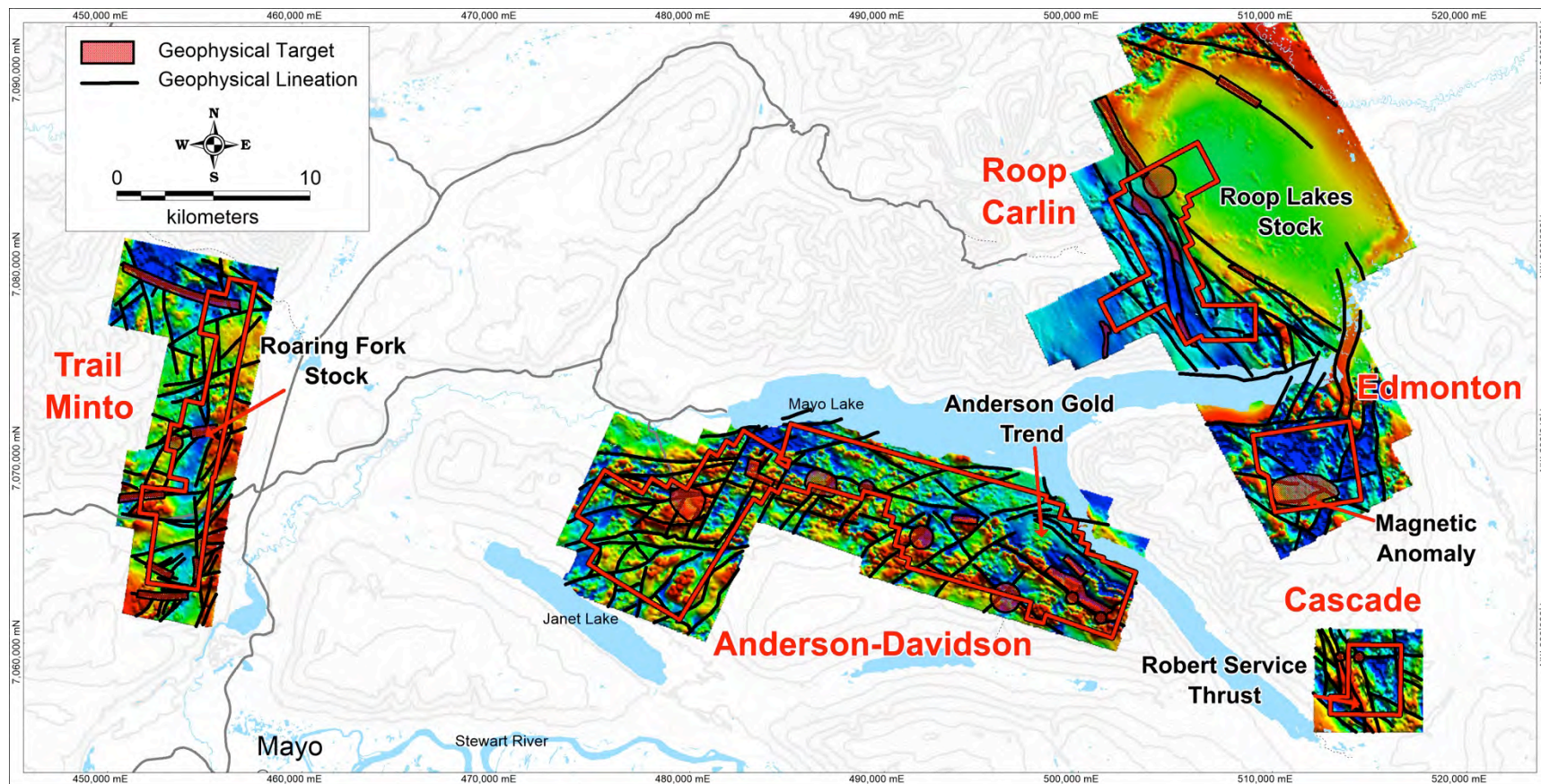
# Regional Geophysics: Vectoring to Mineralization

Numerous deposits at the margin of Tombstone Plutonic Suite intrusions including silver at Keno Hill and gold at Dublin Gulch, have similar settings to MLM claim groups. Notably the Anderson-Davidson Claim Group, has magnetic breaks and structures similar to those at Newmont-Goldstrikes' Plateau Project



# Vectoring to Gold Mineralization: Geophysics

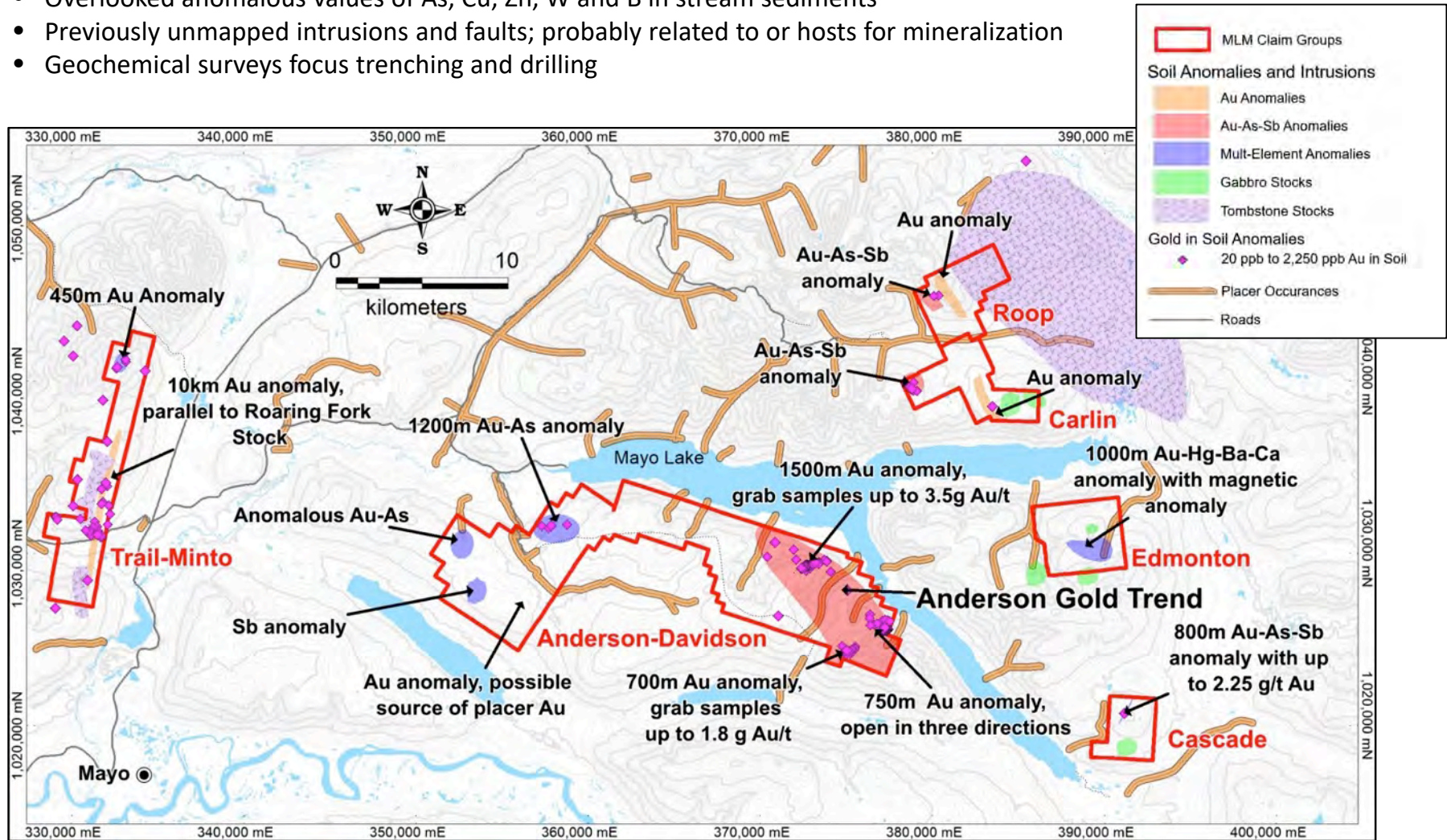
Magnetics show (1) lineations: faults that act as conduits for Au-bearing fluids  
(2) anomalous patterns: intrusions and associated alteration that likely indicate sources and traps for gold





# Vectoring to Gold Mineralization: Geochemistry

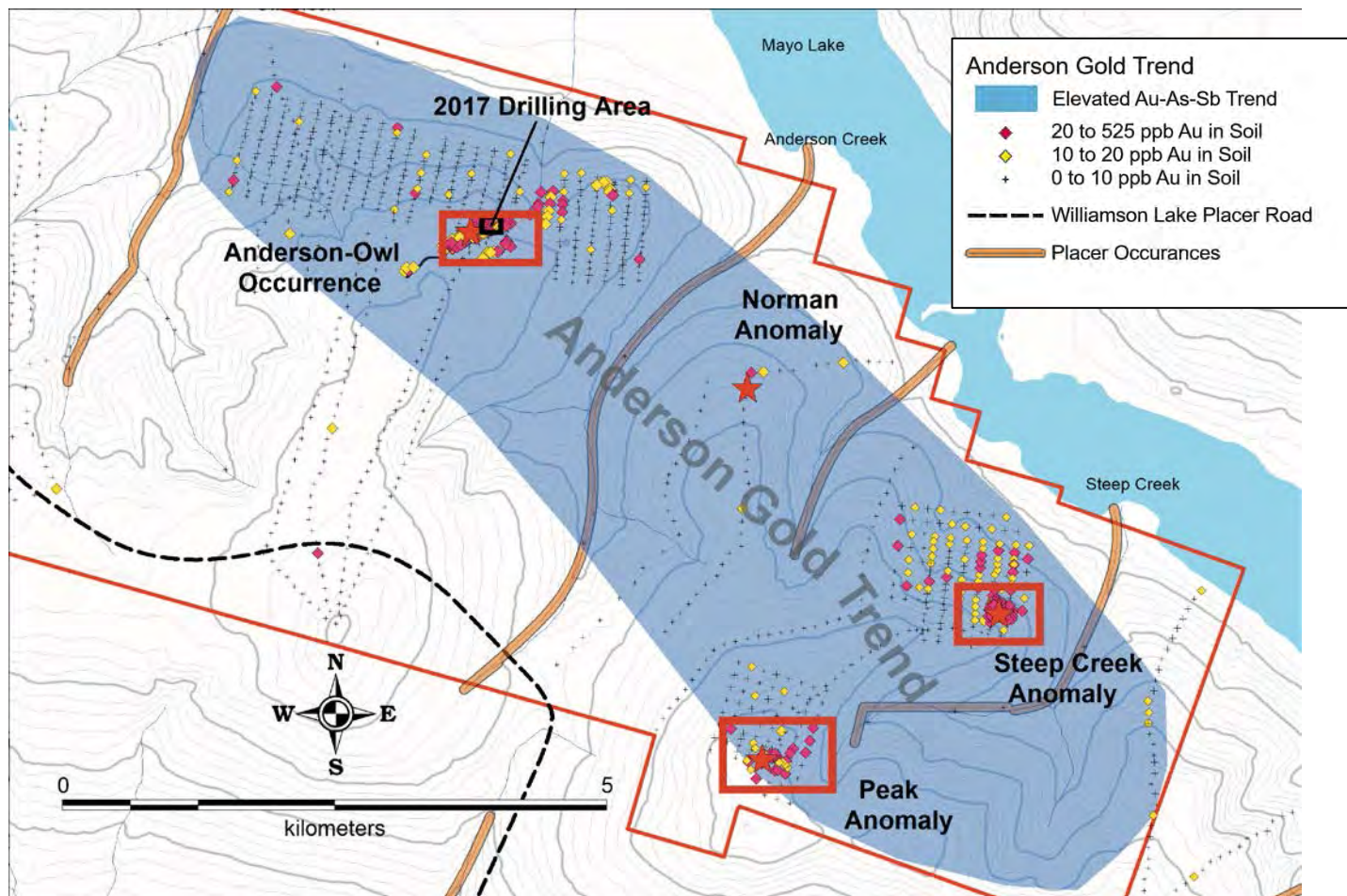
- Placer operations and highly anomalous panned concentrates (not previously recognized)
- Overlooked anomalous values of As, Cu, Zn, W and B in stream sediments
- Previously unmapped intrusions and faults; probably related to or hosts for mineralization
- Geochemical surveys focus trenching and drilling





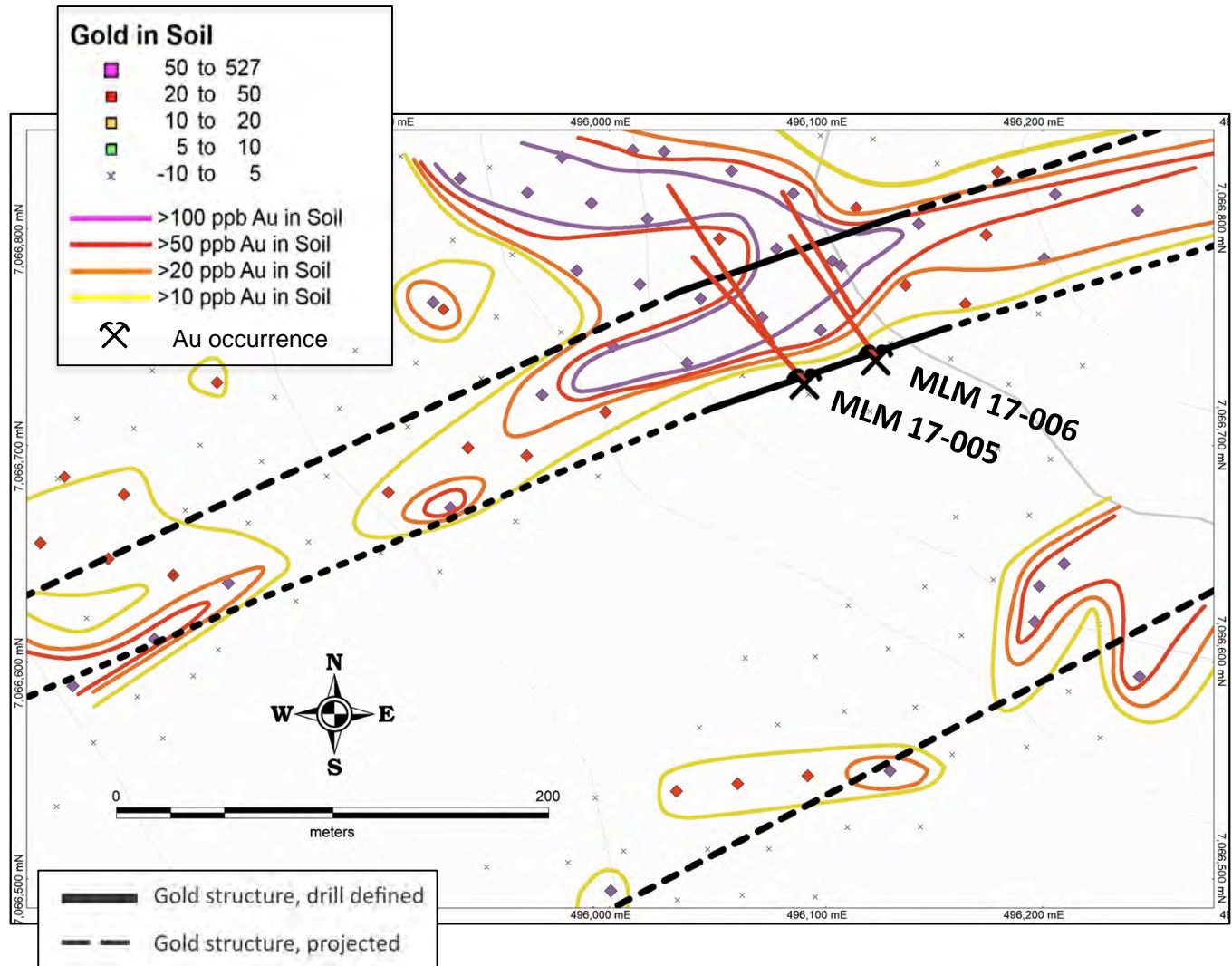
# Anderson-Davidson Claim Group

- Long history of placer mining on Davidson, Owl, Anderson and Steep creeks
- Soil sampling and trenching delineated drill targets and other prospective areas
- Gold occurrence at Anderson-Owl open along strike with mineralization similar to that at the Plateau Project
- Width and grade of gold structures and anomalies to be determined in 2018



# Anderson-Owl Target

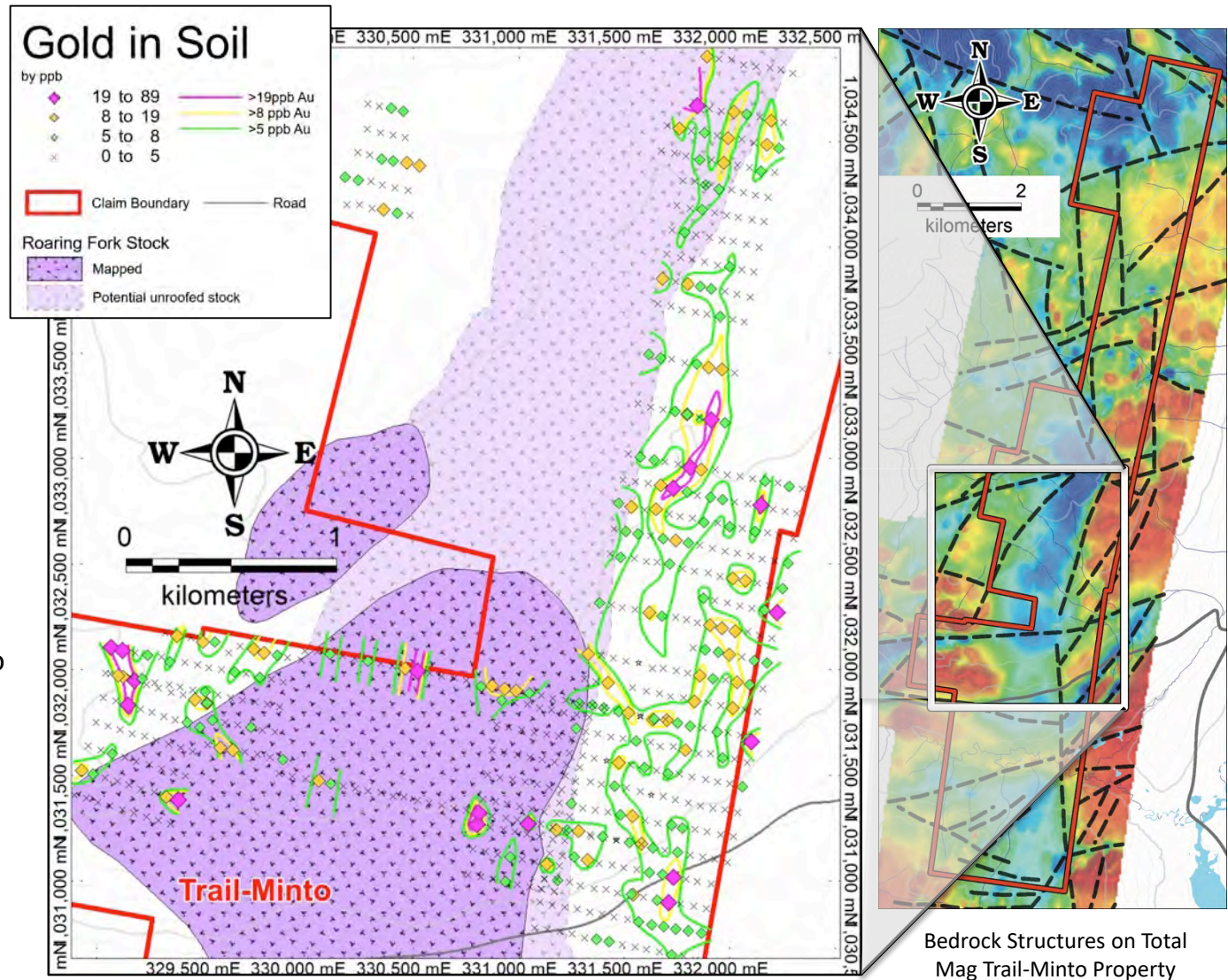
- Intersecting gold-multi-element (Au, As, Sb) anomalies open along strike
- Gold in soil anomaly over 2 km in length
- Gold soil anomaly marked by 4km long topographic depression
- Core of the gold in soil anomaly greater than 200m in length with values up to 0.5g Au/t
- Float samples up to 3.5g Au/t
- Gold structure, 0.8g Au/t over 6.1m from bedrock-overburden interface to mineralization footwall, hanging wall of mineralization not tested; open along strike





# Trail-Minto Gold Potential

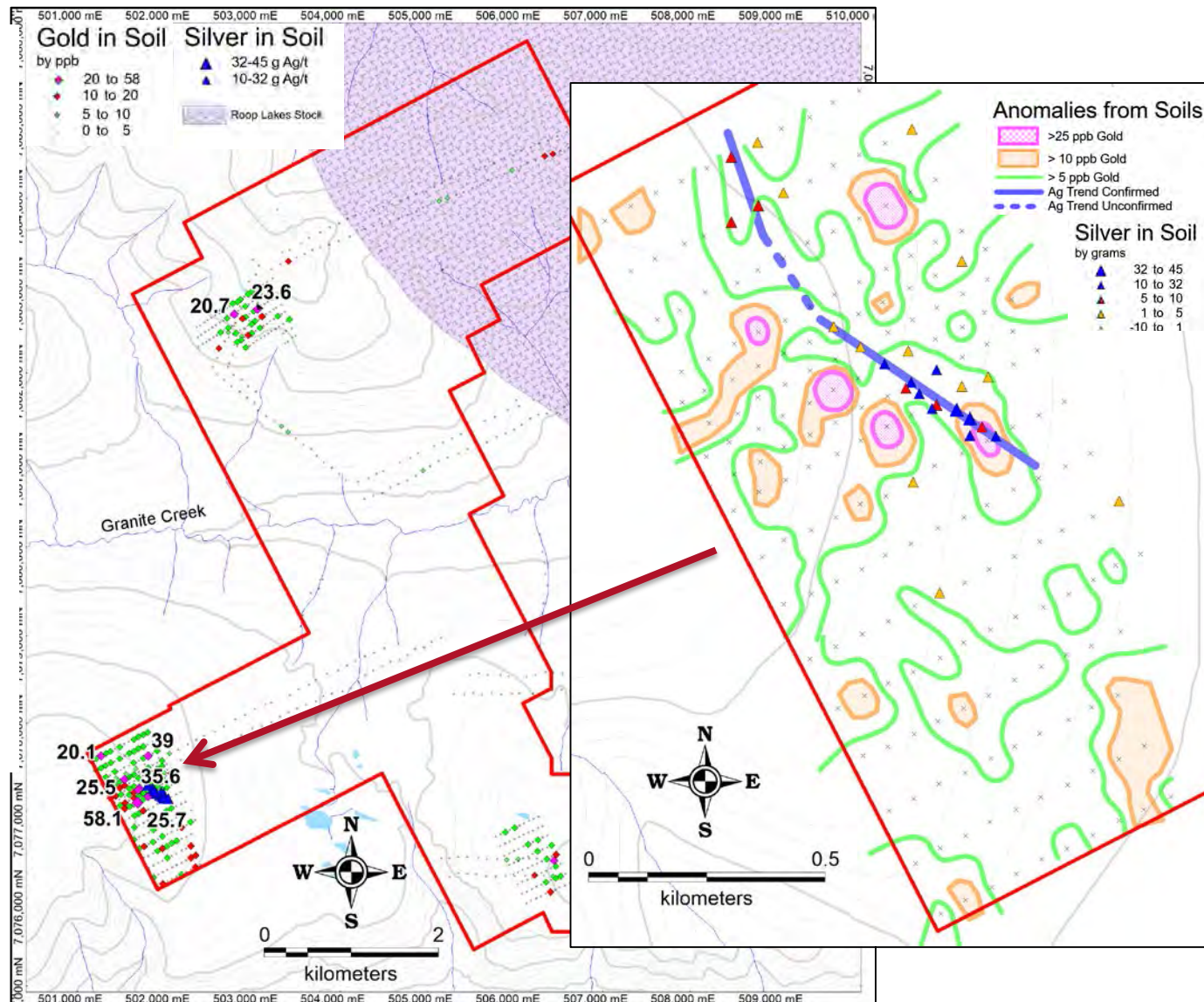
- Gold mineralization probably relates to veining in Roaring Forks Stock and adjacent tectonized wall rock
- Linear gold in soil anomalies continuous for >8km along strike adjacent and parallel to 10km long Roaring Fork Stock
- Gold in soils over Roaring Fork Stock may reflect intrusion-related mineralization
- High potential for mineralization similar to that at Eagle Gold (Dublin Gulch)





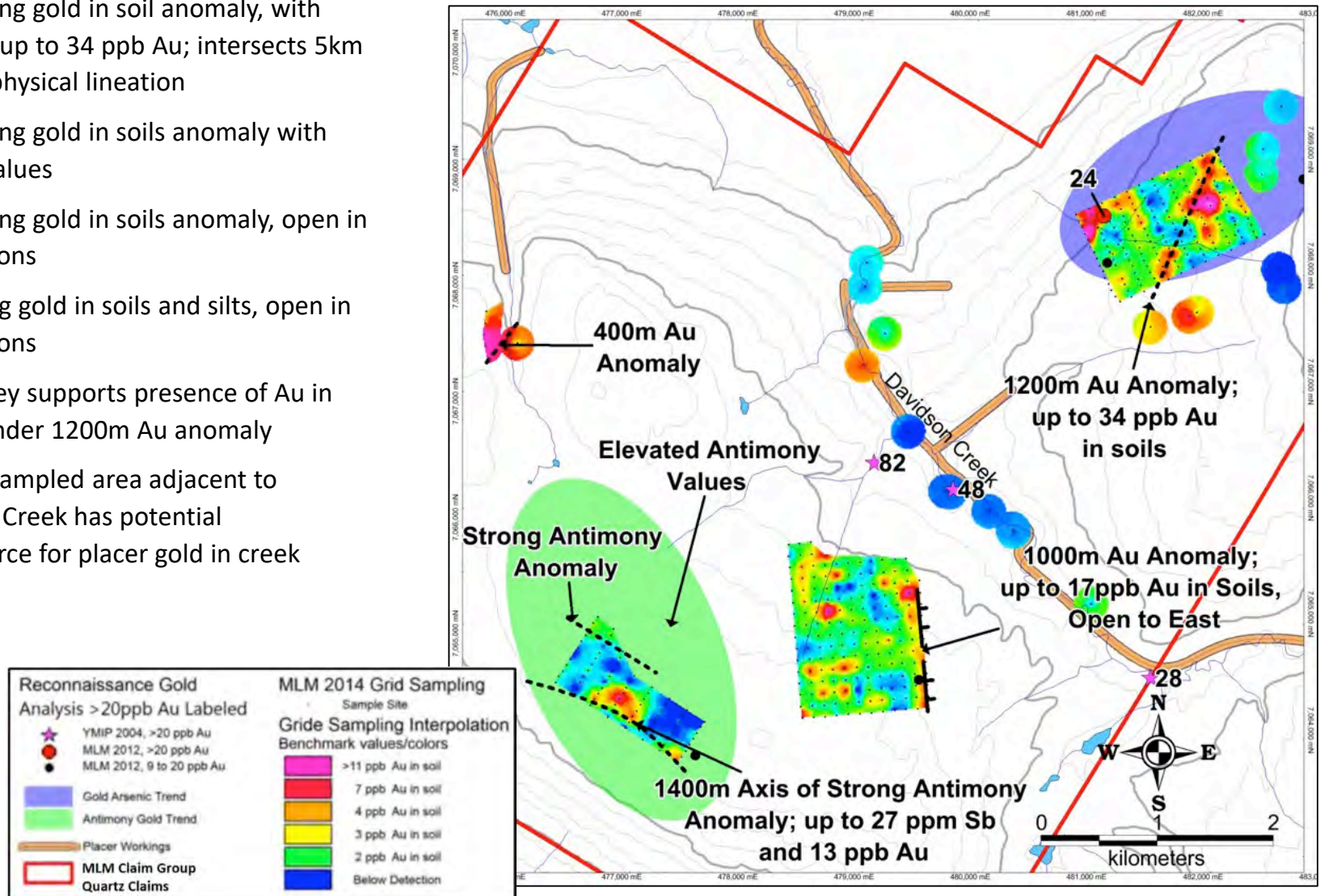
# Carlin-Roop Claim Group

- Up to 45 g Ag/t in soil within 300m long >10 g Ag/t anomaly
- Ag anomaly potentially >1km in total length
- Irregular-shaped, 700m long gold in soil anomaly, with values up to 58 ppb Au
- 350m long gold in soil anomaly returning values up to 24 ppb Au
- Favorable magnetics; distinct magnetic lineations indicate off-sets and dilation zones



# Davidson Claim Sub-Group 2014 Definition Sampling

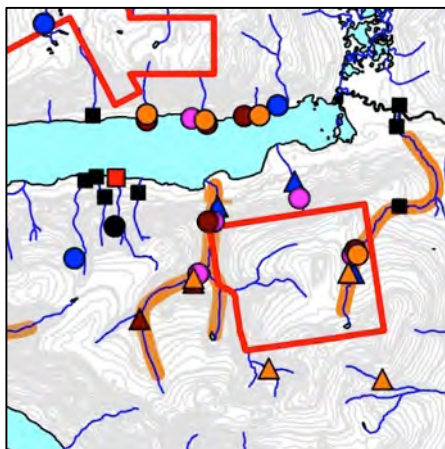
- 1200m long gold in soil anomaly, with values of up to 34 ppb Au; intersects 5km long geophysical lineation
- 1400m long gold in soils anomaly with high Sb values
- 1000m long gold in soils anomaly, open in all directions
- 400m long gold in soils and silts, open in all directions
- SGH survey supports presence of Au in soils at under 1200m Au anomaly
- Large unsampled area adjacent to Davidson Creek has potential to be source for placer gold in creek



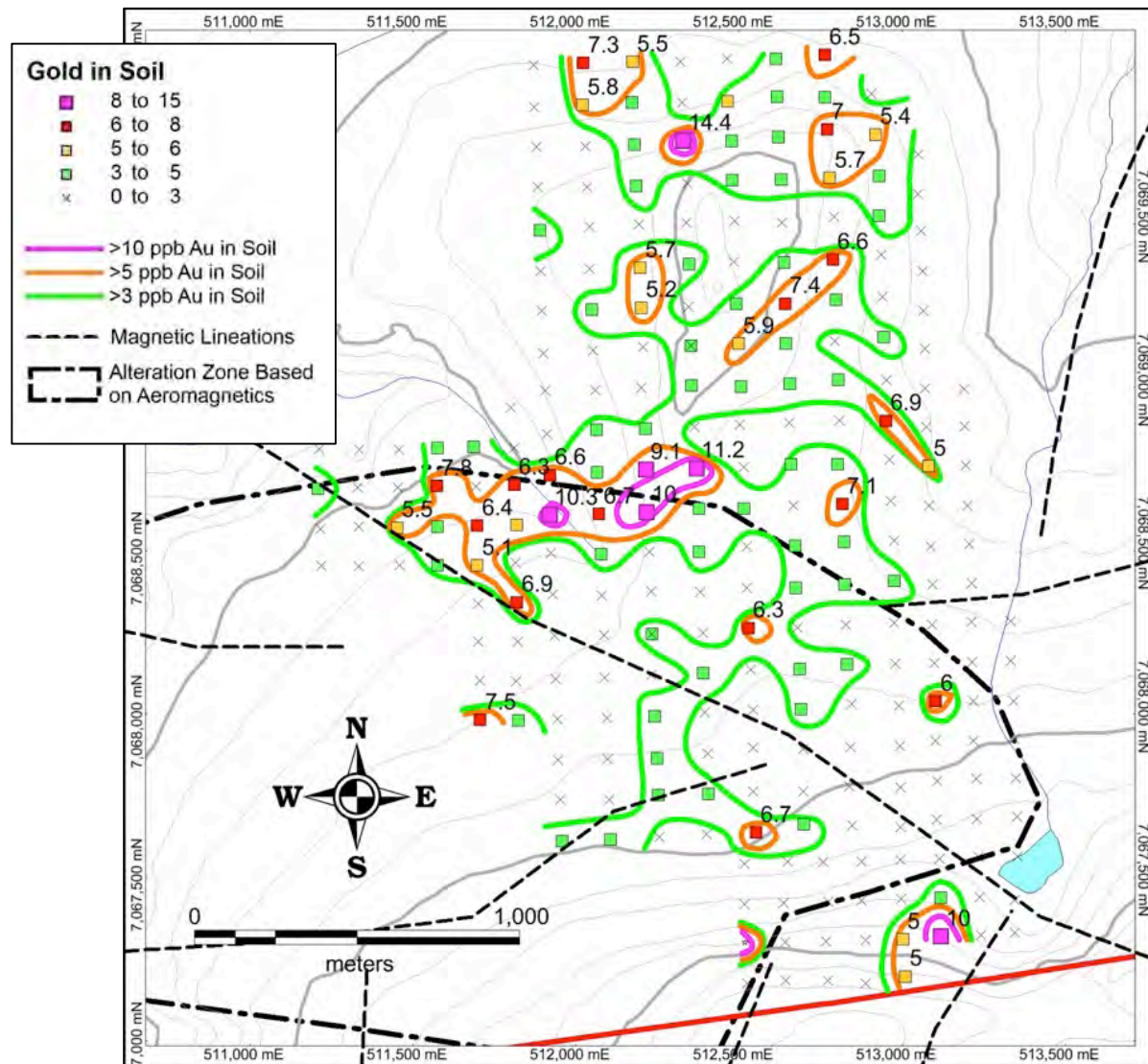


# Edmonton Claim Group

- Large magnetic anomaly; possibly relates to intrusion or alteration zone
- Notable gold anomaly traces N edge of magnetic anomaly; radiating linear gold anomalies
- Historic placer operation on Edmonton Creek
- Within the complex Robert Service Thrust Fault zone



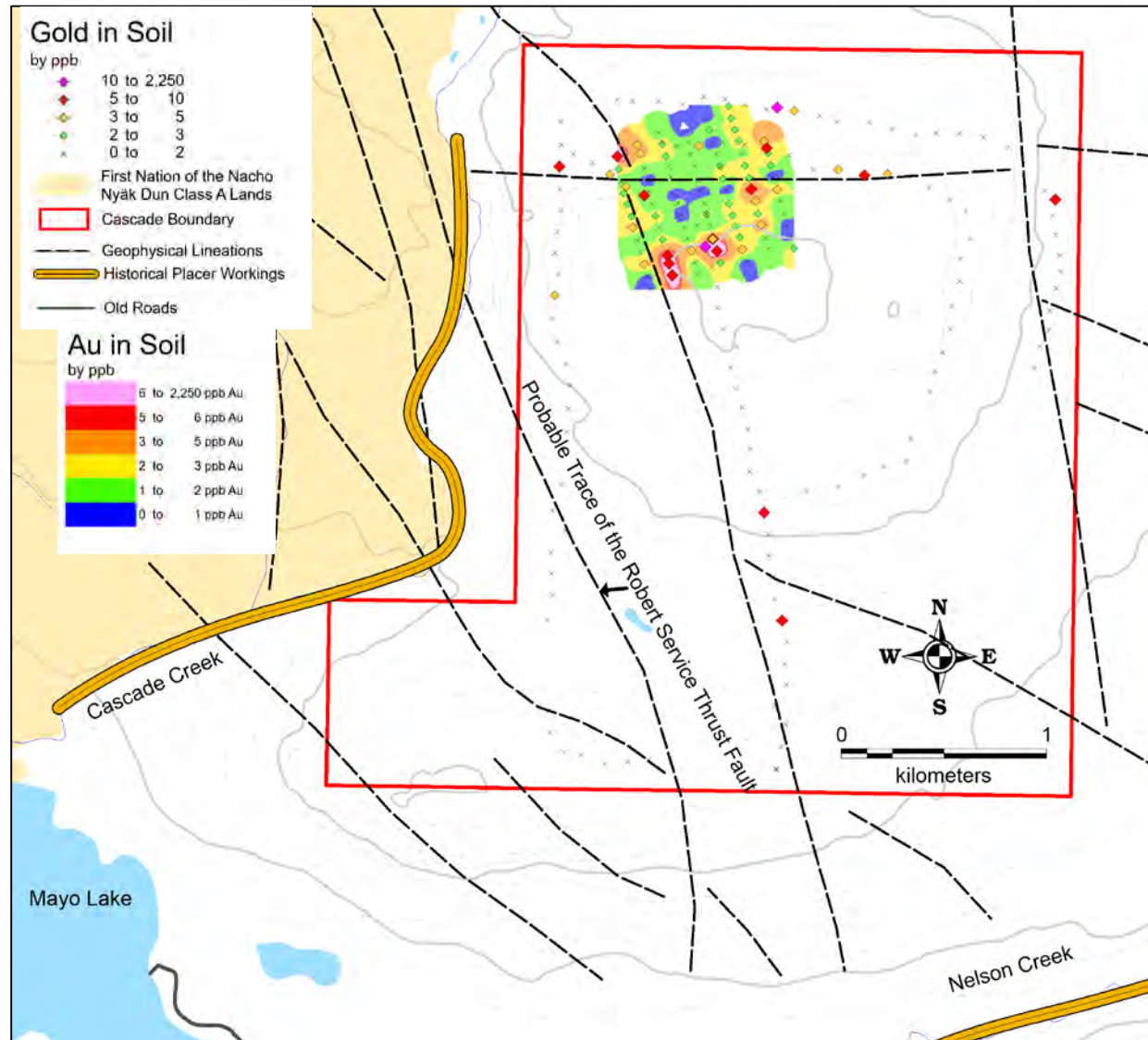
Stream sediment anomalies from Operation Keno





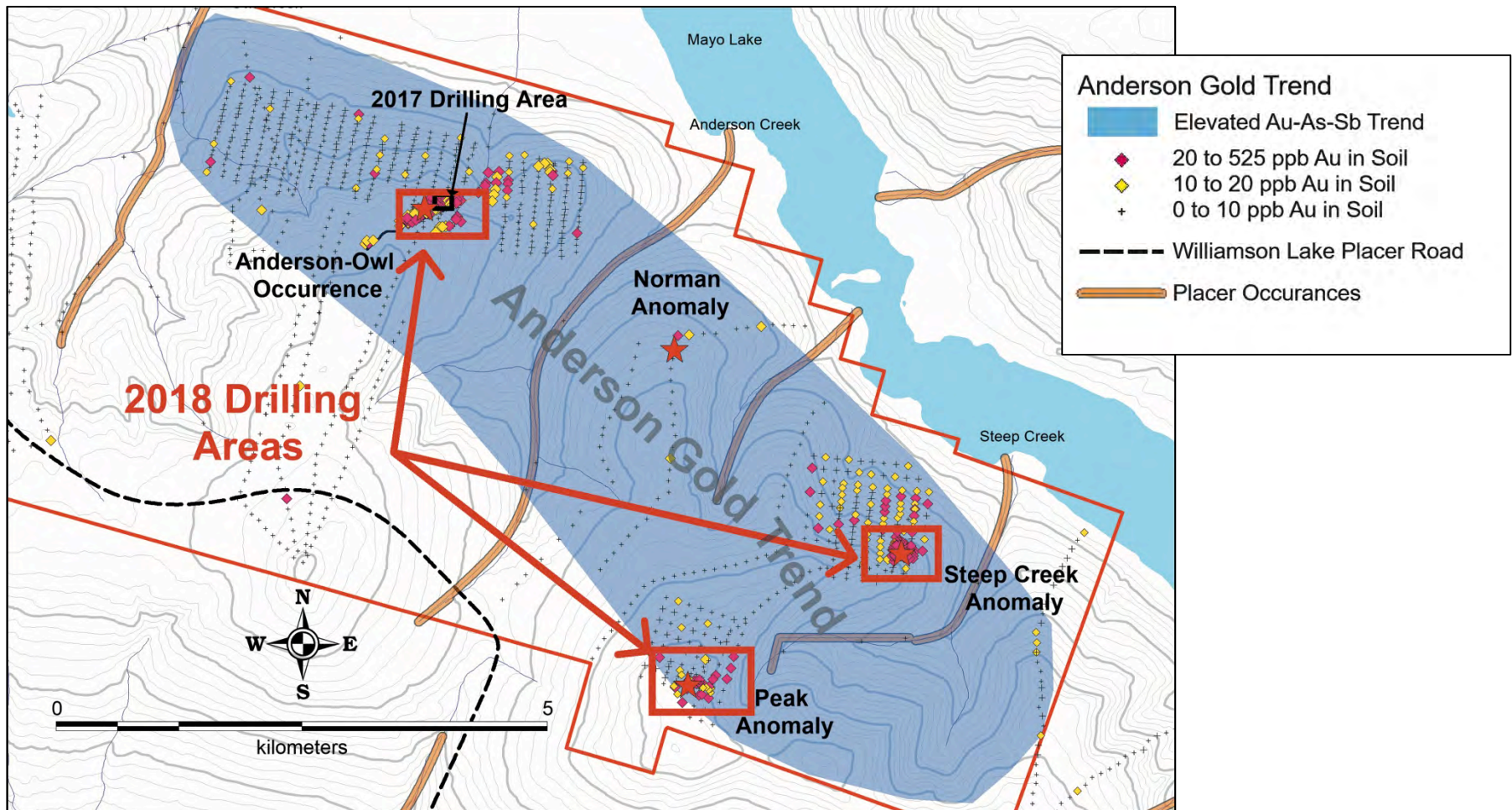
# Cascade Claim Group

- Probable trace of Robert Service Thrust Fault crosses property
- Bracketed by historical placer operations at Cascade and Nelson Creeks
- 2.25g Au/t gold in soil sample within 500m long gold in soil anomaly
- Property largely untested



# Anderson Gold Trend Plans for 2018

- Anderson-Owl occurrence: drilling to determine width and grade of hanging wall structure
- Steep Creek and Peak: Au + As ± Sb anomalies to be drilled
- Anderson Gold Trend: fill-in soil sampling from Anderson-Owl to southeast of Steep Creek





# The Value in Mayo Lake Minerals Inc.

## Corporate Structure and Market Value

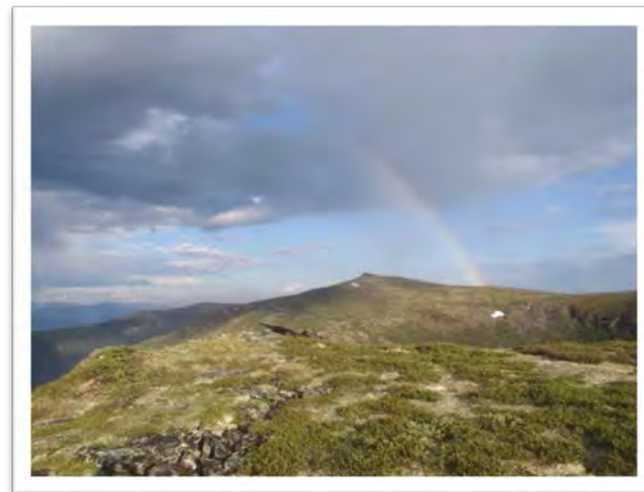
- Shares tightly held by seasoned directors and officers and related company
- Mayo Lake Minerals Market Cap at 10¢ is 4.84MM
- Average of comparable Yukon gold companies Market Cap is 5.84MM

## Location — properties in favourable mineral environment

- Large holding of underexplored prospective ground; 1139 claims covering 231 square kilometres
- Similar geologic environment to Newmont-Goldstrike Resources' Plateau Project (65.3g Au/t over 13.8m), a high-grade orogenic lode gold deposit within the Tombstone Plutonic Belt
- Eagle Gold Deposit at Dublin Gulch (2.5M oz Au) and Keno Hill Mines (262M oz Ag) shows the potential for intrusion-related gold and base metal veining
- Alluvial placer operations associated with properties
- Most claim groups are close to Mayo and accessible by road

## Exploration confirming corporate value

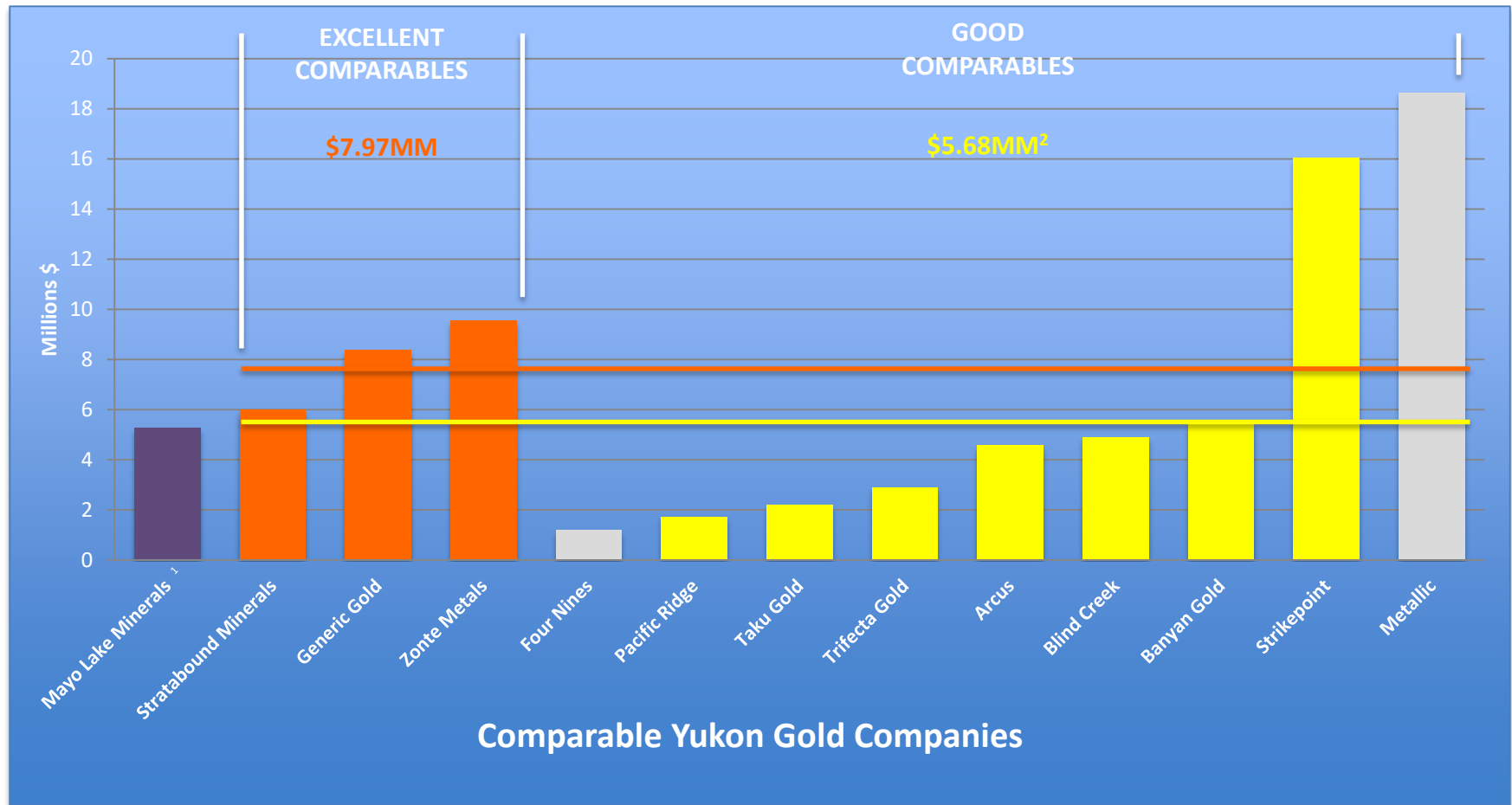
- Flagship Anderson-Davidson property has multiple high-potential drill targets on Anderson Gold Trend
- High potential areas on Trail-Minto and Carlin-Roop ready for trenching to focus follow-up drilling
- Geochemistry has identified gold potential Edmonton and Cascade; more definition of targets required







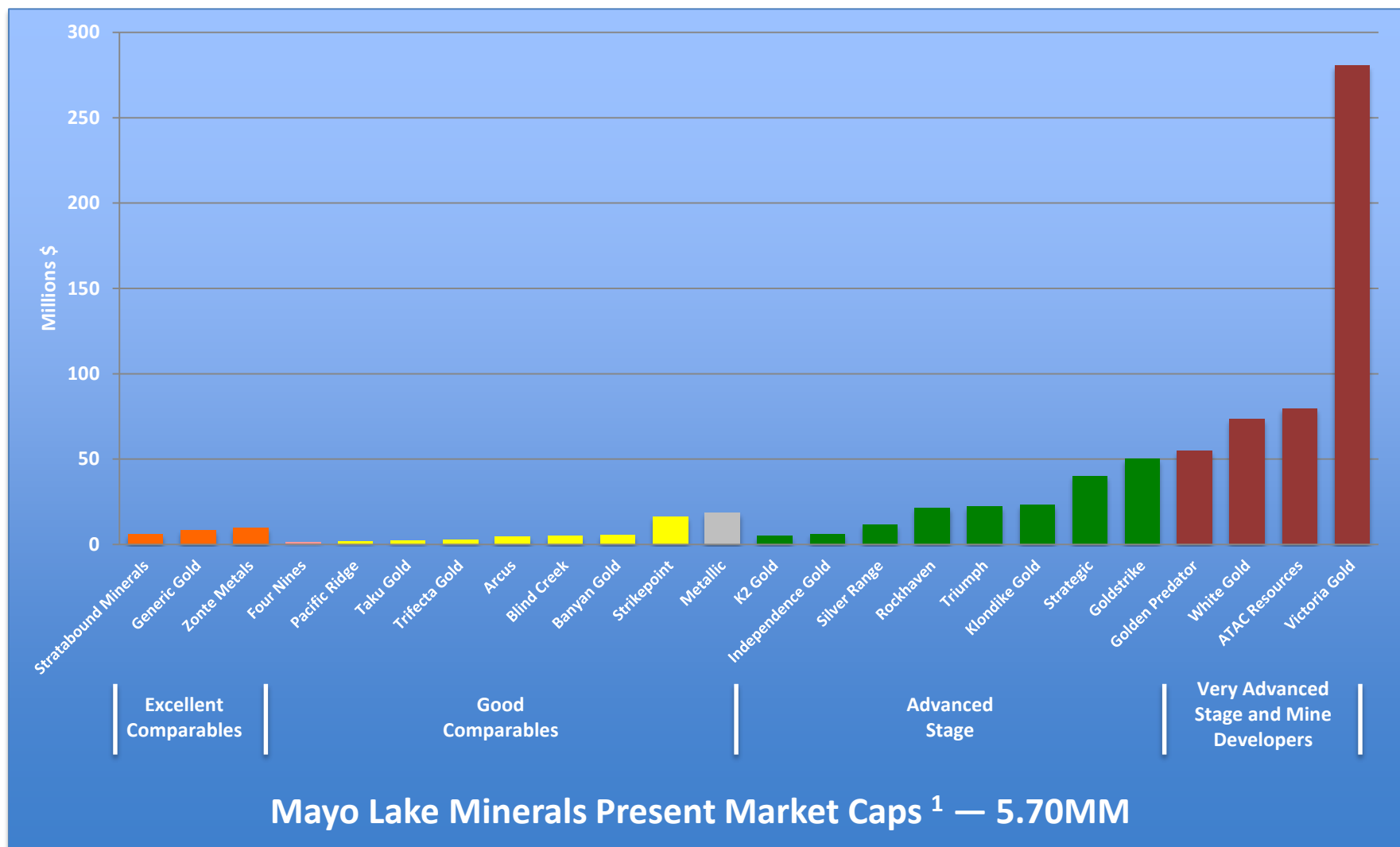
# Mayo Lake Minerals Market Cap Valuation



- Average of 3 excellent comparables
- Average of 10 comparables<sup>2</sup>

1. MLM Basic Market Cap \$5.17MM as of May 14, 2018 with debt converted at 10¢/share  
2. 12 comparables minus highest and lowest MC as May 14, 2018; share prices average of 5 days.

# Yukon Gold Company Market Caps



1. Average of (i) comparable company MCs, (ii) total acquisition and exploration expenses and (iii) shares issued, multiplied by present value of shares (10¢) with full conversion of debt as of May 14, 2018



# NOTES

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PHOTOS: T. Sutherland, J. Judson, H. Girard, J. Demers, J. Sullivan

## BOTTOMLESS LAKE OF GOLD.

Soundings Fall Short In Lake Mayo,  
Yukon, Believed to Hold More Gold  
Than All Klondike.

*Special to The New York Times.*

TACOMA, Wash., Nov. 1.—Mayo Lake, adjacent to Stewart River, in British Yukon, has its bottom lined with gold. How to secure its golden riches is the problem now confronting the engineers of Klondike and adjacent districts. Five rich gold-bearing creeks are drained into Mayo Lake. For centuries they have been sweeping their auriferous deposits into its bottom. Strangely enough, the lake is able to ascertain its depth. Its shores were prospected this Summer and found to contain gold in paying quantities.

Ledge and Steep Creeks, on which rich pay dirt was struck last Summer and which are now yielding good results, flow into Mayo Lake. Minto and Highat, two other rich creeks, flow into Mayo Lake on the opposite side.

Ledge Creek forms a delta extending into the lake a quarter of a mile. At the further end of the delta the accumulation of gravel and silt comes to an abrupt termination.

With an almost perpendicular face it deflects into a subaqueous abyss. The gravel of the delta is found rich in gold. These facts lead Mr. Neeland, the Canadian Government surveyor, and other engineers to conclude that untold riches lie at the bottom of the lake. Nevertheless, the lake seems to lie in a great cauldron or crater of such depth as to make gravity drainage probably impossible. It is much deeper than Stewart River and could not be carried off in that great natural artery.

Above towers a huge range of mountains containing gold quartz ledges from which flow into the lake numerous auriferous streams. The lake is twenty miles long by one and a half to two and a half wide.

Soundings at the mouth of Ledge Creek failed to find bottom after reaching a depth of 900 feet.

The Ottawa Government will be asked to investigate through some of its best engineers. Stewart River miners believe the lake's bottom would produce more gold than the entire Klondike.

*The New York Times*

Published: November 2, 1903  
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