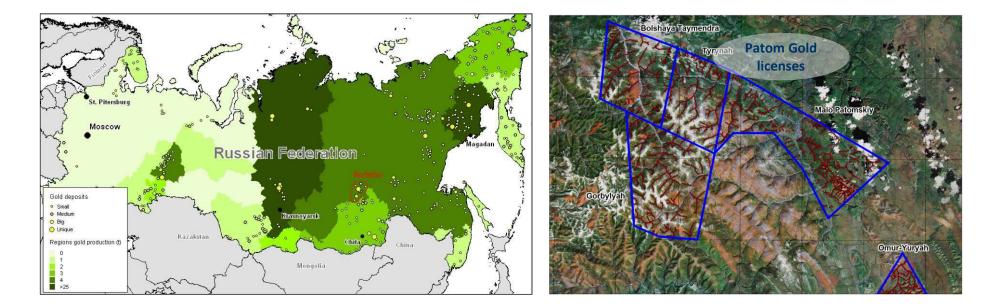
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GOLD EXPLORATION

# **Northern Territories** Gold exploration project in Russia

Proposal for JV operations in Lena Goldfields, Bodaibo, Russia



### **Forward looking statement**

#### Forward Looking Information

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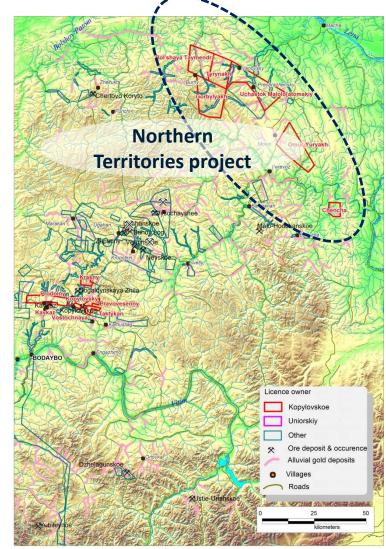
### **Norther Territories - location**



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# The licenses in brief - Blue sky exploration potential

- Total area of 1,852 km<sup>2</sup> (182,500 ha) split into 6 properties
- Licenses for bedrock gold prospecting, exploration and production, valid for 25 years with extension option
- Patomo-Necherskiy gold district (part of Lena Goldfields) is known for:
  - 100 years history of successful alluvial mining. Still very active
  - Alluvial gold production reported a lot of pristine, not reshaped gold grains
  - Geology and age of rock are similar to Sukhoy Log
  - Stratigraphy, lithology and structural settings are very favorable for primary gold mineralization
  - Greenshist metamorphism and rock metasomatism
  - Known secondary gold halo (stream sedimentary sampling), zone and points of gold mineralization, many grab samples with gold
  - No serious and consistent bedrock gold exploration to date
- The project is called Northern Territories due to its location in the North of Bodaibo area and Lena Goldfields. Organizationally all licenses are owned by OOO Patom Gold, 100% subsidiary of Kopy Goldfields
- Total Kopy Goldfields AB investments into license acquisition and exploration amount to 800 KUSD

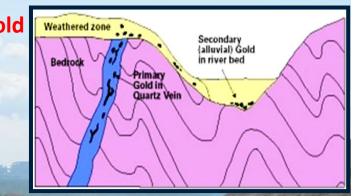


### We look for bedrock sources of placer gold in the area

We explore here: Krasny project 0.95 Moz gold

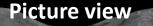
### **Krasny mountain**

Alluvial gold production is in direct proportion to the size of primary Hard Rock Mineralisation

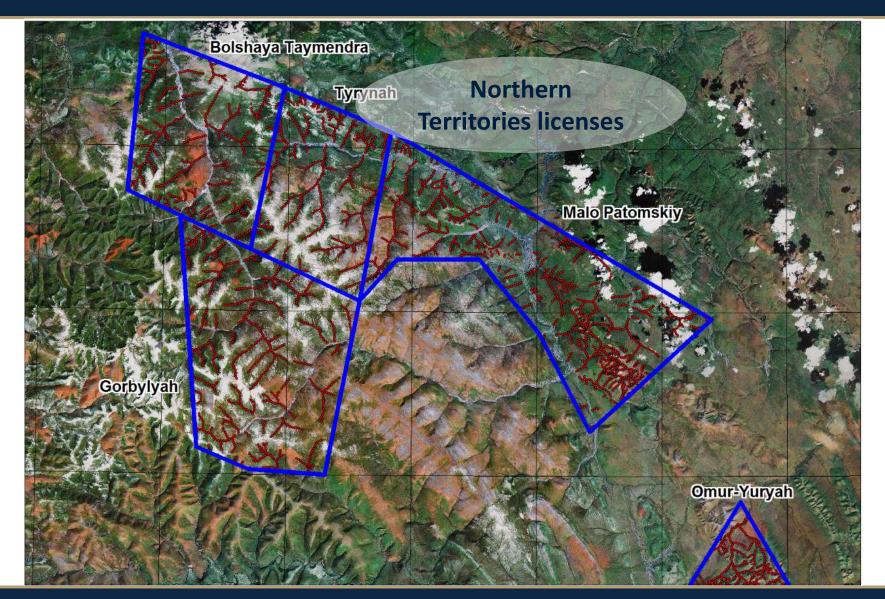


Logs from 19<sup>th</sup> century underground alluvial mining

Active alluvial mining around Krasny project – 4 producing placers

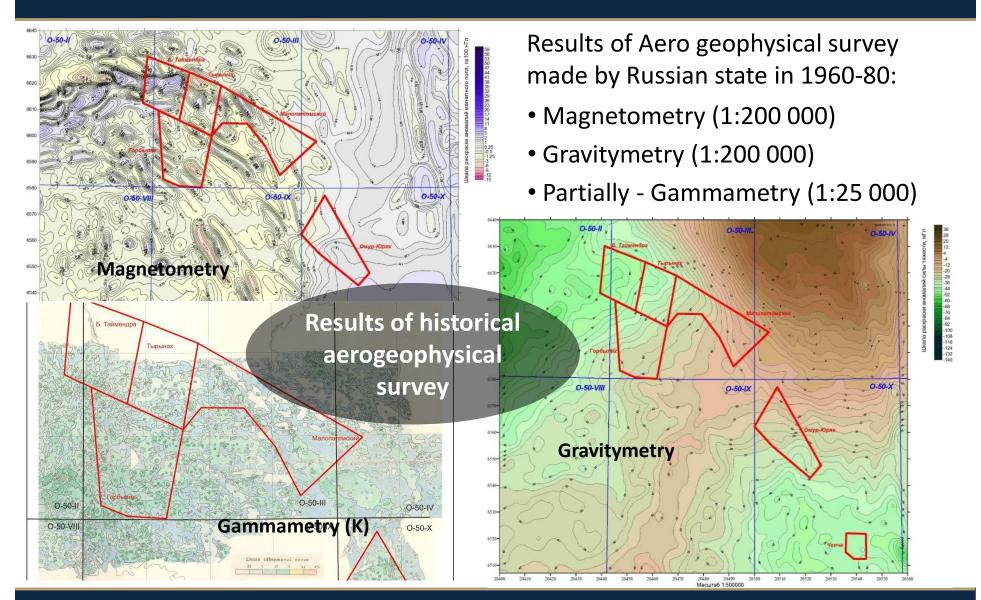


# Long history of alluvial mining (placers marked in red)



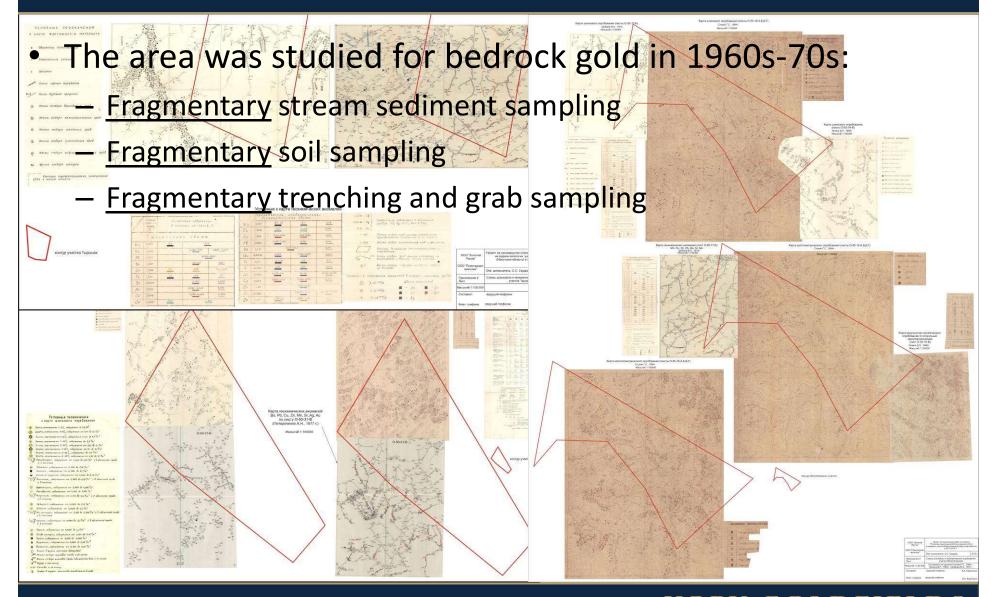


### Historic aero-geophysical survey – data analyzed



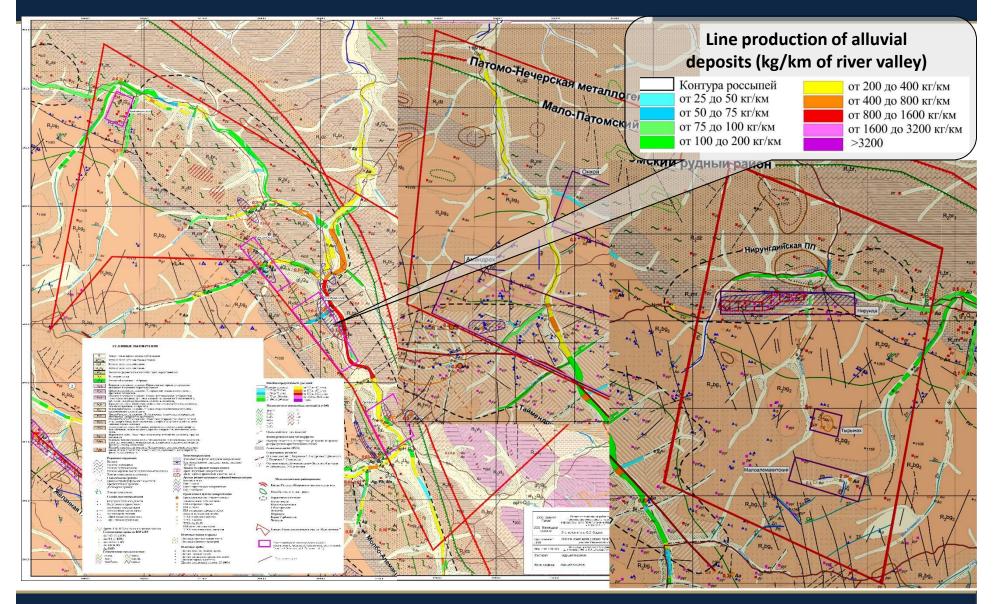
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### Fragmentary historic geochemical survey - data analyzed



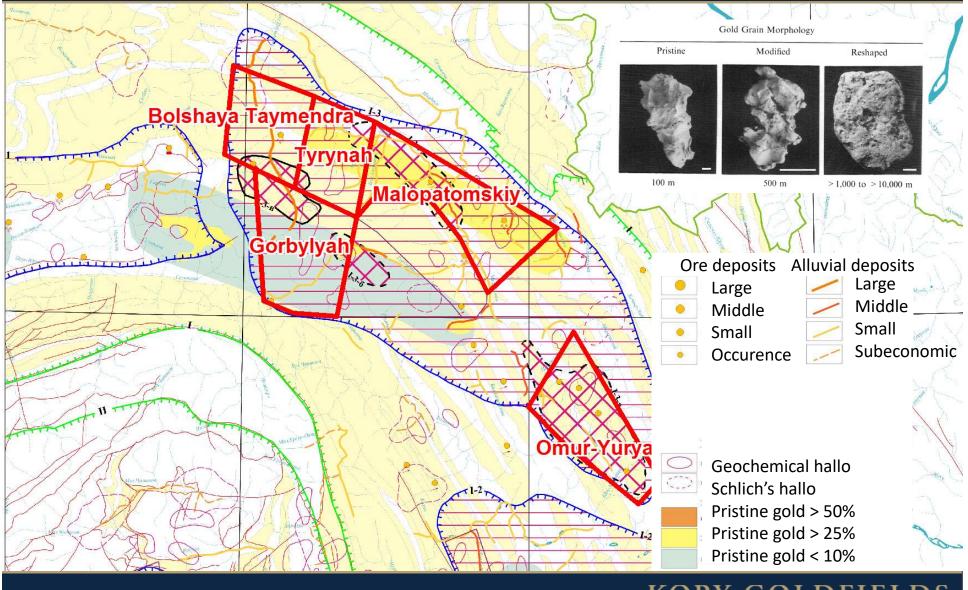
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### Majority of the river valleys host alluvial gold deposits



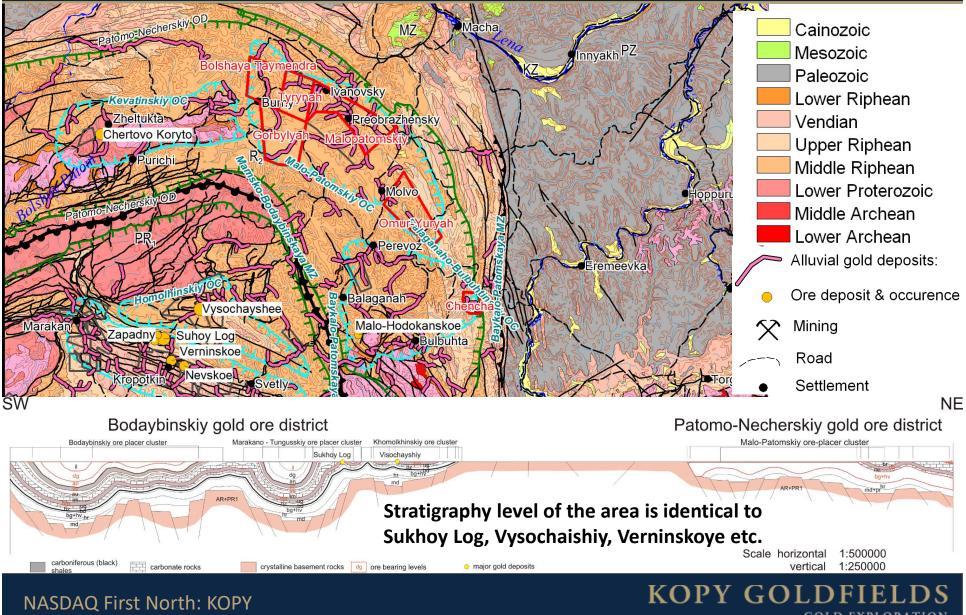
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### Placer miners reported pristine gold grains



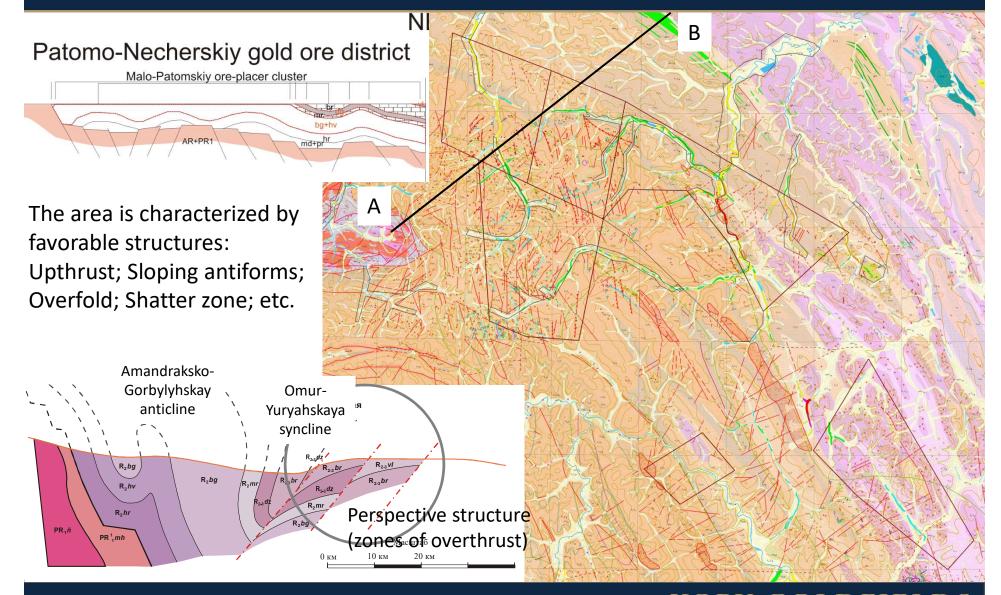
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### Stratigraphy & lithology – good for primary gold



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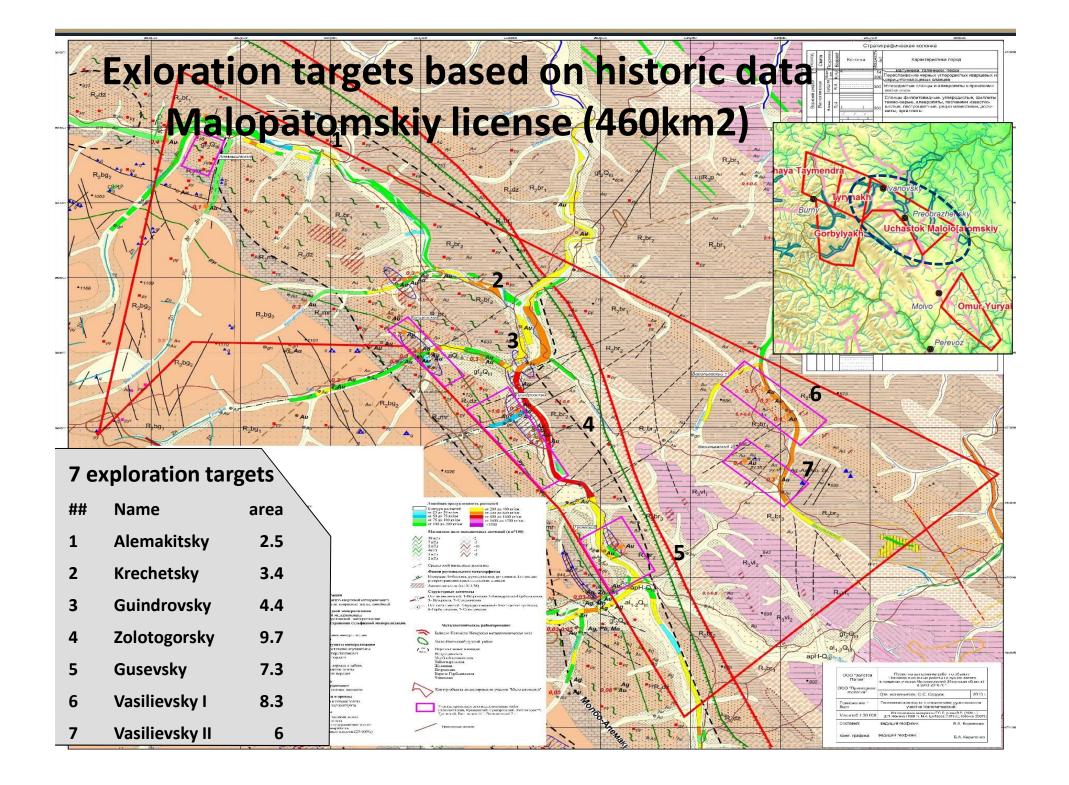
### Structurally the area is favorable for gold localizations

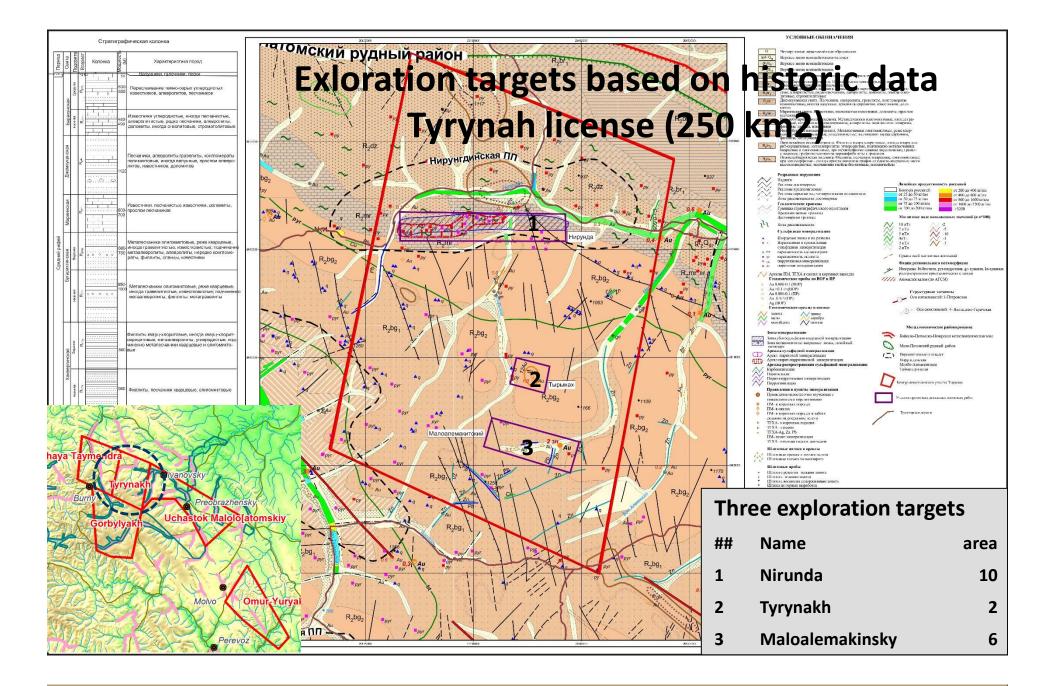


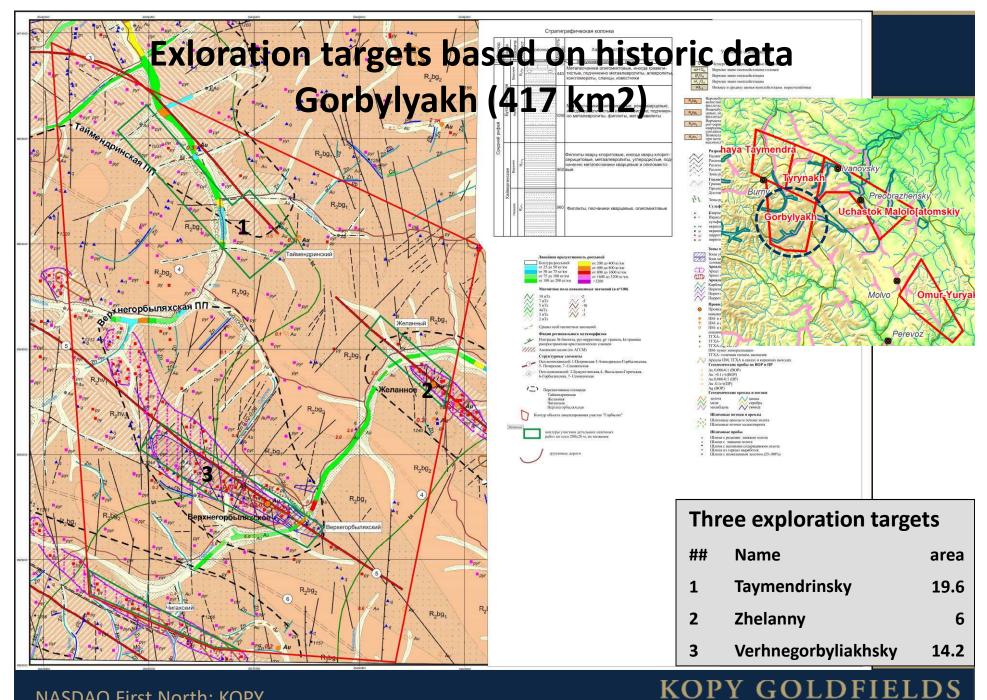
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# **Prospecting parameters – background for property choice**

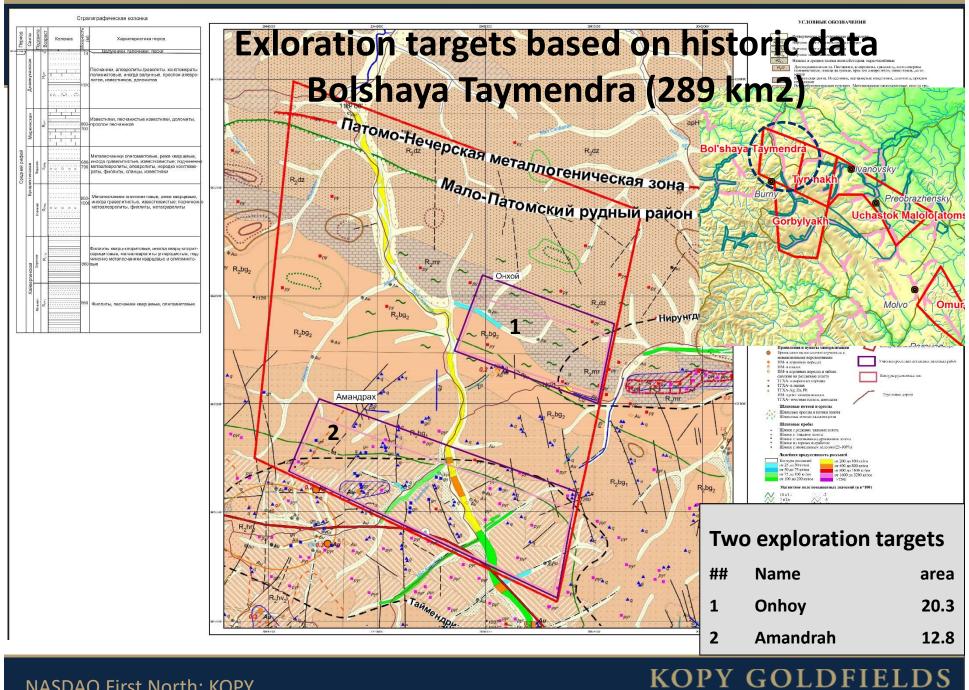
- Several world class deposits discovered in Lena Goldfields, all with similar geology:
  - Sukhoy Log (60 Moz, licensed in January 2017)
  - Verninskoye (Poluys Gold, 6 Moz, in production since 2015 at 150 koz pa)
  - Vysochaichy (GV Gold, 3 Moz, in production since 2001 at 150 koz pa)
  - Chertovo Koryto (Poluys Gold, 3 Moz, under development)
  - Ugakhan (GV Gold, 1.5 Moz, under development)
- Based on the known deposits in the area with similar stratigraphy, lithology and structures, we look for
  - Strike extension from 500 meters; steep ore bodies with thickness from 30 meters
  - Type of gold mineralization : gold-sulfide, disseminated and veinlet-disseminated in black shale complexes
  - Average grade around 2 g/t
- We acquired and analyzed all existing historic exploration data and maps covering our license areas
- During the review of historic data for our 6 licenses, 23 targets were identified based on a combination of geochemical anomalies, vicinity of alluvial mines, grab samples with gold, high concentration of pathfinder elements (see following slides for detailes)
- Our exploration approach is based on review of the whole area including all potential targets and step by step prioritization of the prospects in order to come to 3-5 targets for detailed exploration



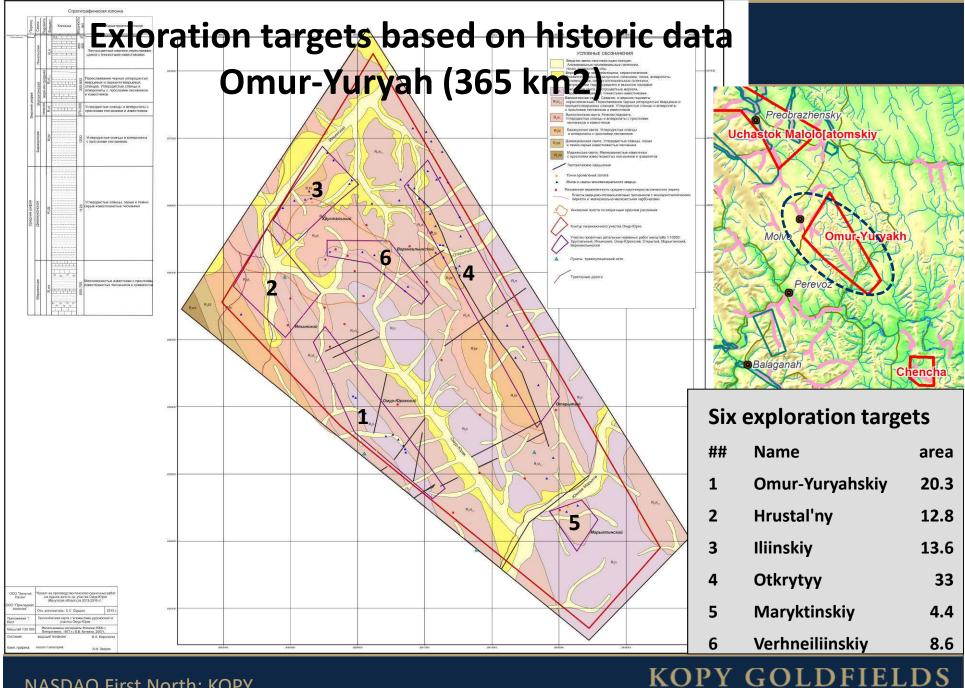




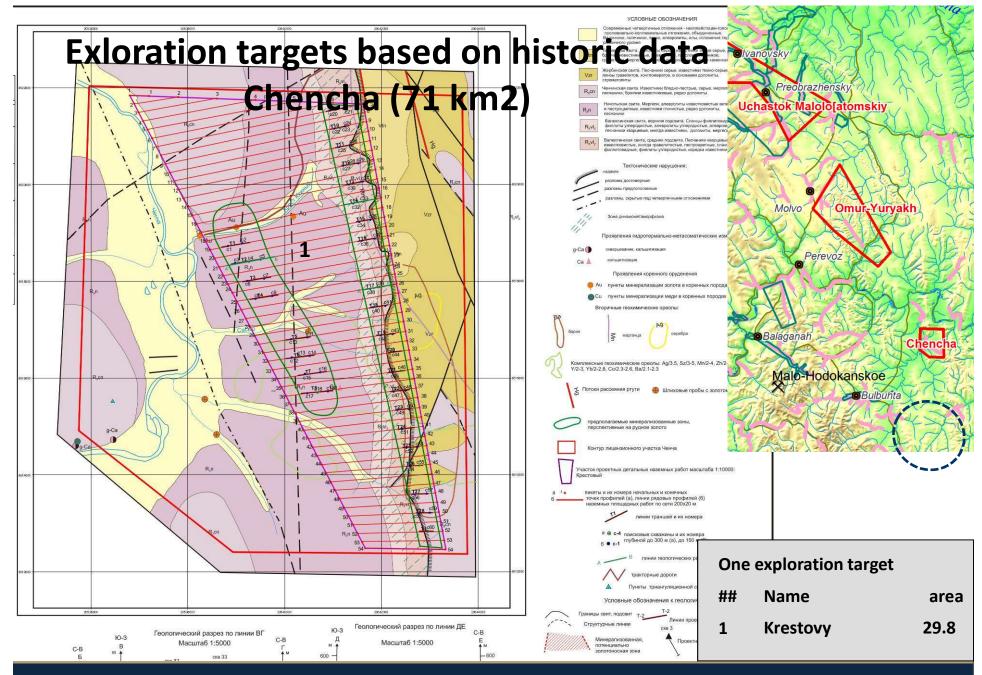
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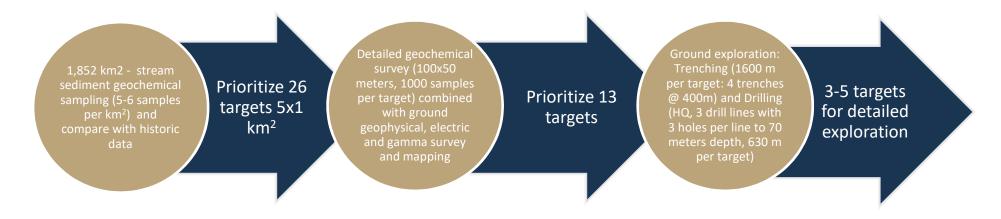


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# **Exploration approach**



- Our exploration approach includes
  - Cover the whole area 1,852 km<sup>2</sup> with stream sediment geochemical sampling (5-6 samples per km<sup>2</sup>), compare with historic data and prioritize at least 26 highly potential targets. <u>Completed in 2016 and confirmed expectations</u>
  - Run detailed geochemical survey (100x50 meters, 1,000 samples per target, potential target size 5x1 km) combined with ground geophysical, electric and gamma survey and mapping for 20-25 targets and prioritize 13 targets. <u>Plan for 2017</u>
  - Run ground exploration: trenching (total 1,600 meters per target: 4 trenches 400 m each) and drilling (NQ/HQ, 3 drill lines with 3 holes per line to 70 meters depth, total 630 meters per target) and preliminary technological testing for 13 targets
  - Prioritize and make recommendations for further detailed exploration at 3-5 targets
- The program can be finalized within 2-3 years

# Patom Gold – preliminary development schedule

#### • Step 1 – Target generation. 2016 completed

- Work scope: prospect the total license area 1,852 km<sup>2</sup> with stream sediment sampling (5-6 samples per km<sup>2</sup>; total 12,000 samples, ICP test) to identify all possible gold anomalies; test the historic data (our new anomalies should correspond to the known historic anomalies)
- Outcome: prioritize 26 targets for the next step. Completed. Identified 21 targets for follow up explorations
- Timing: one field season, up to 12 months
- Budget: 0.7 MUSD\*. Actual costs 0.3 MUSD

#### Step 2 – Target prioritization. Plan 2017-2018

- Work scope: detailed geochemical survey (100x50 meters, 1,000 samples per target, potential target size 5x1 km; total 26,000 samples, ICP test) combined with ground geophysical, electric and gamma survey and mapping for 26 targets
- Outcome: prioritize 13 targets for trenching and drilling
- Timing: 12-24 months
- Budget: 1.4 MUSD

#### Step 3 – Target testing

- Work scope: trenching (totally 1,600 meters per target: 4 trenches 400 m each by excavator; total 21 km; logging, sampling, fire assay tests) and drilling (NQ/HQ, 3 drill lines with 3 holes per line to 70 meters depth, total 630 meters per target; total 8,200 m; logging, sampling, fire assay tests) and preliminary technological testing for 13 targets
- Outcome: Prioritize and make recommendations for further detailed exploration at 3-5 targets. We target to have enough data to report Initial Inferred resources under JORC for some targets
- Timing 12-24 months
- Budget 4 MUSD
- Outcome 3-5 targets ready for detailed exploration
  - We leave the further development for later planning and discussion as many things might change through exploration
    process and depend on financing available

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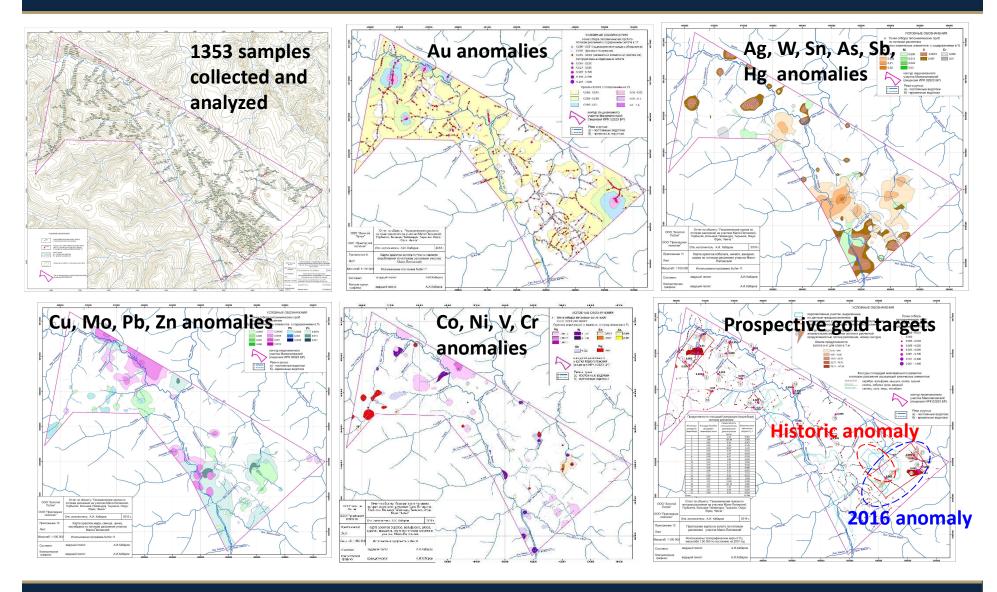
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\*the amounts are indicative and depend on the actual exchange rate RUB/USD

# **Current exploration status**

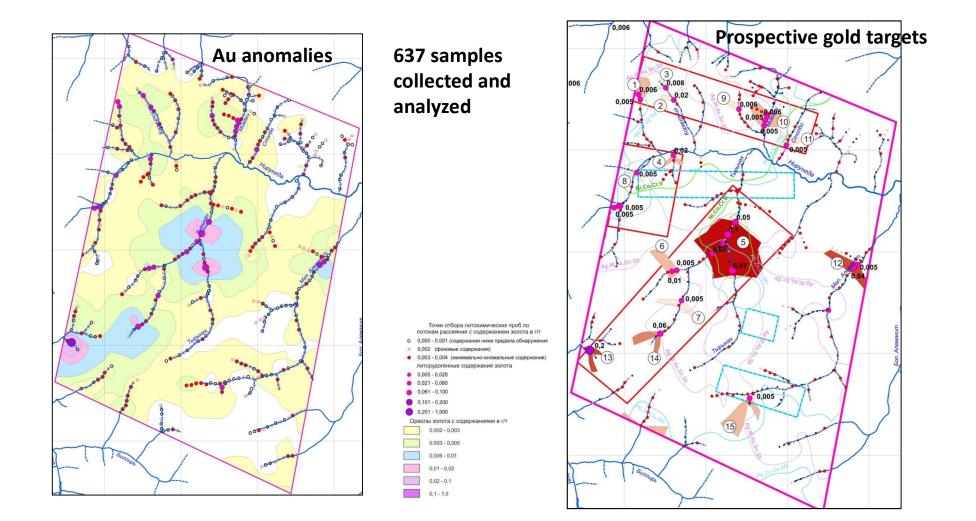
- Licenses are issued
- Historic exploration data was accumulated and analyzed. 23 targets have been preliminary identified based on available historic data
- Exploration project compliance paperwork was filed. Permitting for exploration activities received
- Work program & budget drafted
- 2016 exploration season covering Stage 1 program completed on time and below cost budget:
  - Aim of Stage 1 program was target generation: cover the total license area in order to validate historic targets and identify new ones for detailed follow up explorations
  - Total 1,852 km2 was covered with stream sediment survey with a density of 5-6 samples per km<sup>2</sup>
  - Field operations are completed. Total 5,380 samples were collected, processed and results received (gold + 23 elements)
  - High exploration potential is confirmed and 21 targets for follow up explorations are identified

### 2016 results - Malo Patomsky license area, 460 km2



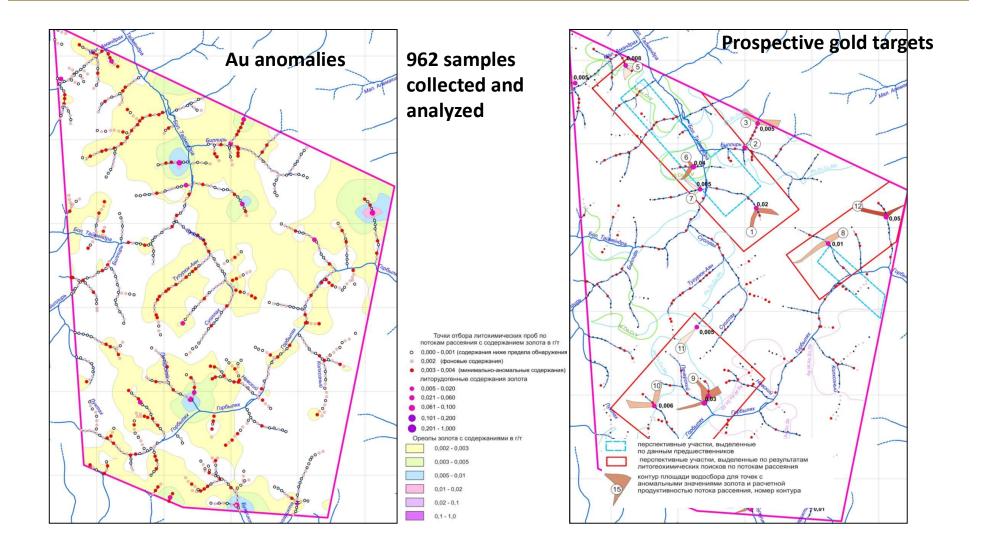
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### 2016 results – Tyrynakh license area, 250 km2



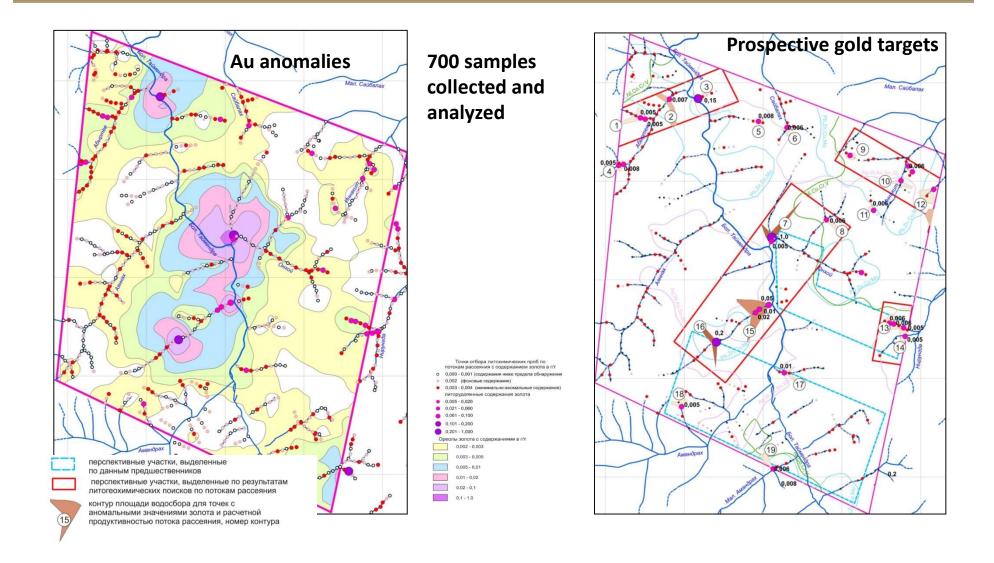
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### 2016 results – Gorbylyakh license area, 417 km2



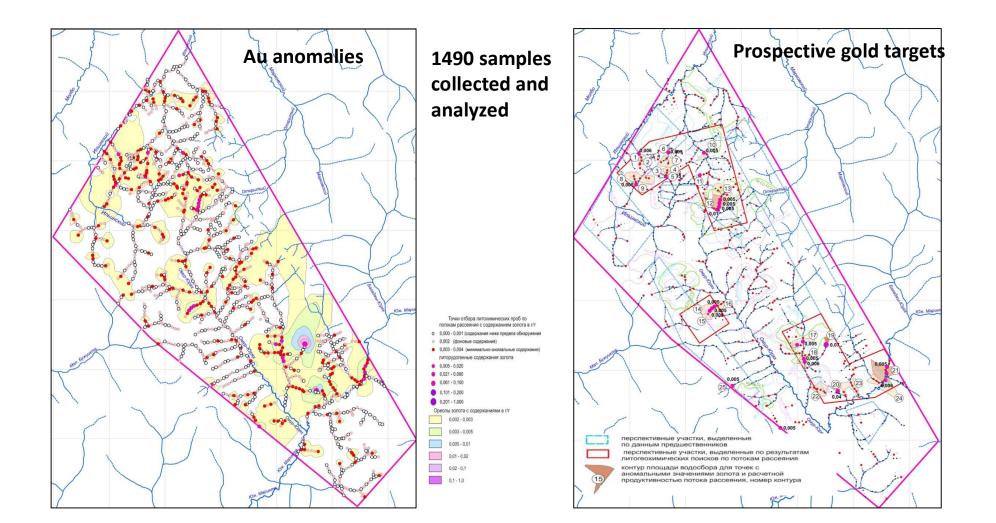
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### 2016 results – Bolshaya Taymendra license area, 288 km2



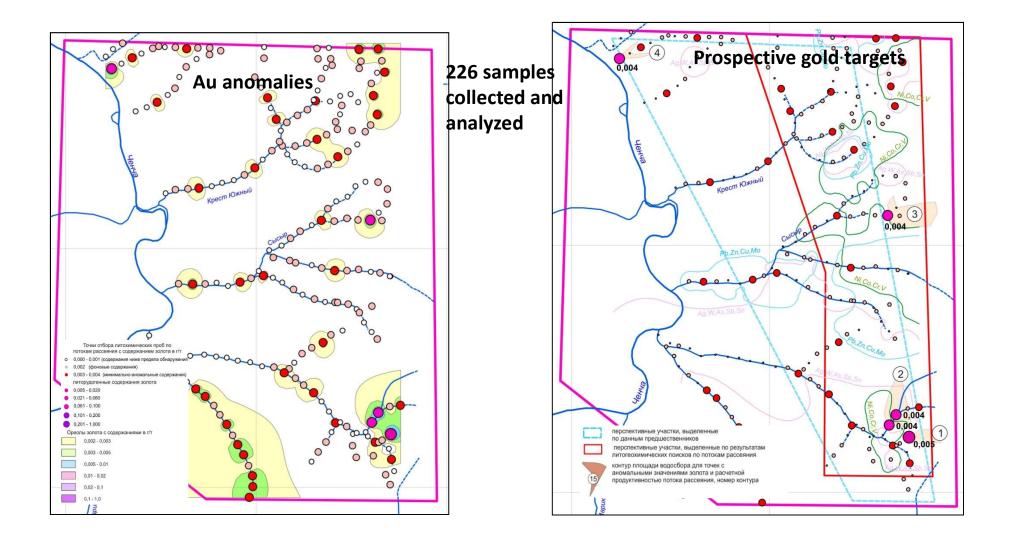
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### 2016 results – Omur Yuryakh license area, 365 km2



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### 2016 results – Chencha license area, 71 km2



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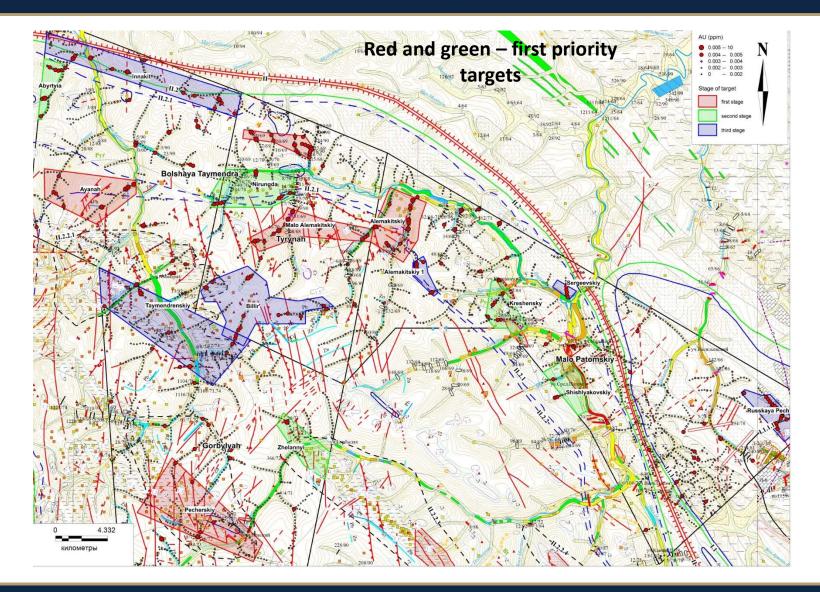
### **Results of 2016 exploration program**

- New data collected and analyzed
- Major areal streams of gold and pathfinder elements identified
- Some historic targets for detailed explorations are confirmed. New targets identified
- Total 23 targets are recommended for follow up explorations, with 11 priority targets
- High exploration potential of the area confirmed
- The project area is characterized by
  - Low background gold grade = 0.0024 g/t
  - Extensive gold anomalies
  - Low correlation between gold and pathfinder elements (Ag, As, Pb, Zn, Sb).

### **Exploration plans 2017**

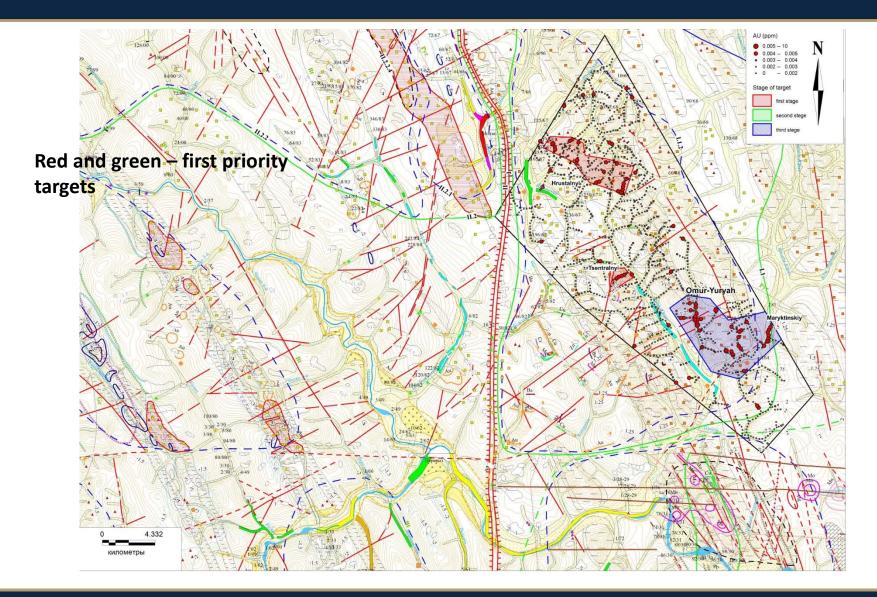
- Based on the new exploration results and considering the historic data, we plan for 2017 detailed geochemical survey (100-200\*50) for the following 11 priority targets:
  - Malo Patomsky license Alemakitsky, Shishlyanikovsky and Kreshensky areas
  - Gorbylaykh license Zhelanny, Pechersky areas
  - Bolshaya Taymendra license Ayanakh area
  - Tyrynakh license Kormilytsa, Maloalemakitsky and Nirungda areas
  - Omur Yurakh license Khrustalny and Cetralny areas
- Total exploration budget 600 KUSD

### **Priority targets for follow up explorations**



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### **Priority targets for follow up explorations, continue**



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# Indicative terms and rational for an earn-in JV deal\*

- Kopy GF will develop the Patom Gold project on an earn-in basis where a partner/partners commits to certain investments and step by step gets a stake in the project with an option to increase it further
- Financial outcome:
  - Total <u>interim</u> resources reported <u>900 2000 koz</u>. Our target deposit is above 1 Moz gold. Following the proposed exploration scope, we plan to be able to report for 3-5 deposits with interim resources of some 300+ koz Inferred per deposit (based on the confirmed strike and depth extension of mineralization representing only part of future resources per deposit).
  - Kopy Goldfields current market valuation of resources: 126 MSEK / 788 koz (100% Kopy + 49% Krasny, JORC, mostly Inferred) = 160 SEK/oz = 18 USD/oz
  - Based on Kopy Goldfields current valuation of recourses, the total market value of <u>reported</u> resources for 3-5 deposits after 3 years may amount to 16 – 36 MUSD. Valuation of target resources (total potential strike) is above 50 MUSD
- Kopy Goldfields AB has people, equipment and knowledge to run efficient operations in Russia and deliver quality exploration results. Kopy Goldfields currently operates a 8 MUSD exploration program on the Krasny project (infill exploration to reserve reporting)
- Kopy Goldfields AB will be the operator for NT project. As a NASDAQ listed Swedish public company we are totally transparent and open for control on targets, costs, QA/QC, results.

\* Not a legally binding offer

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