



16 December 2011

## **Nyota Minerals Limited (“Nyota” or the “Company”)**

### **Exploration Update**

#### **Highlights**

- Excellent progress made on the Definitive Feasibility Study (“DFS”)
- Additional DFS metallurgical testwork underway at laboratories in Australia
- Approximately 4,300m of drilling undertaken at Tulu Kapi throughout November
- A new JORC-compliant resource estimate for Tulu Kapi will be available in Q1
- Drilling of the Northern Block’s Bendokoro target rescheduled to January 2012

Nyota Minerals (ASX/AIM: NYO), the gold exploration and development Company in East Africa, is pleased to provide shareholders with an exploration and Definitive Feasibility Study (“DFS”) update for both the Tulu Kapi Project and Regional/Northern Block exploration.

Richard Chase, Chief Executive Officer commented *“Excellent progress has been made on all fronts in the six weeks since we announced activity for the third quarter and an update on drilling at Tulu Kapi. The emphasis has clearly been on the Tulu Kapi DFS and resource estimation and upgrade, which remains on track in spite of the aggressive timetable that we are targeting. Good progress has also been made with exploration of the Northern Blocks. The delay to commencing drilling here, due to continuation of the wet season, is unfortunate but we have been able to use this time constructively, improving delineation of existing targets and adding new ones to our inventory.”*

#### **Overview of Exploration Activity**

##### **Tulu Kapi Resource**

- Approximately 4,300m of drilling was undertaken between 1<sup>st</sup> November 2011 and 2<sup>nd</sup> December 2011;
- Infill and step-out drilling has continued with up to four diamond rigs and a RC rig;
- Gold assays are pending on approximately 5,800 drill samples, but will be available for the resource update;
- Extensions to the North and Southwest of the current resource are being delineated;
- Drilling of the saprolite zone (from surface to approximately 30m) commenced in late November 2011 to define additional resources;
- Following re-mapping and modelling, a new resource drill programme has been designed for the UNDP target;
- A new JORC-compliant resource estimate will be undertaken during January.

## **Tulu Kapi Definitive Feasibility Study**

- Excellent progress made on the Definitive Feasibility Study;
- Additional metallurgical testwork underway at laboratories in Australia;
- A programme of large diameter (PQ3) drill holes for metallurgical test work and for geotechnical engineering is underway;
- Sterilisation drilling of the proposed infrastructure sites has commenced.

## **Proximal Exploration**

- Phase 1 drilling of the Guji saprolite target complete and assays are pending;
- Additional geochemical surveys completed around Tulu Kapi.

## **Northern Block Exploration**

- Drilling of the Bendokoro target rescheduled to January 2012;
- Large-scale trenching programme completed over both the Boka Sirba and Bendokoro targets.

## **Detailed Exploration Activity**

### **Tulu Kapi Resource**

#### *Drilling Update*

Drilling has continued to step-out around the main Tulu Kapi resource. A number of new intersections containing albite alteration and sulphides, diagnostic of gold mineralisation at Tulu Kapi have been logged, sampled and dispatched for gold assay. The results clearly indicate that further extensions to Tulu Kapi remain and as a consequence additional drilling is planned.

Further interpretation on both the UNDP and N. Extension Targets has been completed and additional drilling is planned for both areas during the first six months of 2012. Based on the latest iteration of the conceptual open pit design, the N. Extension mineralisation delineated to date may be included within the main Tulu Kapi open pit. Subject to future assay results, the UNDP mineralisation may be confined to a satellite pit depending on the outcome of planned drilling to close the gap between the current southern limit of the UNDP Target and the NNE limit of the Tulu Kapi resource.

Having drilled approximately 4,300m at Tulu Kapi throughout November, and in order to accommodate the differing Christmas holidays and to allow compilation and analysis of data, resource drilling will halt on 16<sup>th</sup> December for one month.

#### *Saprolite Resource*

Large areas within the current open pit outline contain potential saprolitic mineralisation that lies within 30m of the surface and has not been sufficiently drilled for inclusion in previous resource estimates. As a result, a programme is underway to capture all outcropping and near-surface mineralised saprolite as part of the DFS programme.

The objectives are threefold, firstly, to add to the global Tulu Kapi resource, secondly, to establish the volume of mineralised saprolite above cut-off and finally, to input the tonnage and grade data into the mining schedule and refine the plant design to accommodate saprolitic ore.

#### *Resource Estimation*

The Company remains on track for a resource estimate update in Q1 2012. Geological and assay data will be forwarded to the Company's geological consultant, Wardell Armstrong International, from 17 December 2011 for their work on this aspect of the project.

At present, approximately 5,800 assays are pending from ALS Chemex for Tulu Kapi drilling. Results will be reported as they are compiled.

#### **Definitive Feasibility Study ("DFS")**

Excellent progress has been made on the DFS. Over and above the resource drilling, recent emphasis has been placed on the following aspects of the programme:

- Additional comprehensive metallurgical sample collection. Samples have been dispatched to preferred laboratories in Australia for test work. Further PQ core sampling of mineralisation is scheduled for the first quarter of 2012;
- Sterilisation drilling of tailings storage facilities and plant site to validate these localities;
- Hydro-geological and geotechnical drilling of both tailings dam and plant sites;
- Confirmation and initial design of other infrastructure such as roads and powerlines; and
- Certain aspects of the Environmental and Social Impact Assessment, including the Resettlement Action Plan.

#### **Proximal Exploration**

##### *Guji Prospect*

Phase 1 reverse circulation drilling has been completed over the Guji Prospect, located 3 kilometres from the proposed Tulu Kapi plant site. A total of 17 holes have been drilled for a total of 710 metres covering the central area of known supergene style gold mineralisation. Phase 2 of the programme is scheduled to commence in the first quarter of 2012.

Samples have been processed and dispatched to ALS laboratories for gold assay.

The objective at Guji remains to identify easily accessible low-cost gold resources that can be processed through the Tulu Kapi plant.

##### *Regional Programme*

Regional soil geochemical surveying and rock chip sampling has continued over licence areas surrounding the Tulu Kapi resource. The programme is aimed at evaluating known targets and sterilising other ground that may be required for tailings dams, plant site, road access and other services to support the Tulu Kapi mine site.

## **Northern Block Exploration**

### *Bendokoro*

Twelve trenches have been dug by excavator across the gold-in-soil geochemical anomalies and sampled and logged; three on the eastern anomaly and nine on the western anomaly.

Mineralisation appears to be concordant and associated with mafic intrusives. All assays are pending.

Drilling of the Bendokoro Target, originally planned for December 2011, has been rescheduled for January 2012. The wet season in this more northerly area continued until the end of November making construction of drill access roads and drill pads difficult to complete in time to commit to the proposed 3,000m drill programme before the end of the year.

Contracts for drilling the Northern Block Exploration license targets in 2012 are in place and drilling is expected to commence there before the end of January. The results from the trenching conducted this month will allow the exploration team to refine their drill programme and will ultimately provide additional information to be used for future resource estimation.

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